

510.8 R76f G 11 7150  
Romig  
50-100 binomial tables.



Books will be issued only  
on presentation of library card.  
Please report lost cards and  
change of residence promptly.  
Card holders are responsible for  
all books, records, films, pictures  
or other library materials  
checked out on their cards.

KANSAS CITY, MO. PUBLIC LIBRARY



0 801 0207744 3



50–100  
Binomial Tables

## WILEY PUBLICATIONS IN STATISTICS

Walter A. Shewhart, *Editor*

### Mathematical Statistics

HANSEN, HURWITZ, and MADOW · Sample Survey Methods and Theory, Volume II  
DOOB · Stochastic Processes  
RAO · Advanced Statistical Methods in Biometric Research  
KEMPTHORNE · The Design and Analysis of Experiments  
DWYER · Linear Computations  
FISHHER · Contributions to Mathematical Statistics  
WALD · Statistical Decision Functions  
FELLER · An Introduction to Probability Theory and Its Applications, Volume I  
WALD · Sequential Analysis  
HOFL · Introduction to Mathematical Statistics

### Applied Statistics

COCHRAN · Sampling Techniques  
WOLD and JURÉEN · Demand Analysis  
HANSEN, HURWITZ, and MADOW · Sample Survey Methods and Theory, Volume I  
CLARK · An Introduction to Statistics  
TIPPETT · The Methods of Statistics, Fourth Edition  
ROMIG · 50-100 Binomial Tables  
GOULDEN · Methods of Statistical Analysis, Second Edition  
HALD · Statistical Theory with Engineering Applications  
HALD · Statistical Tables and Formulas  
YOUDEN · Statistical Methods for Chemists  
MUDGETT · Index Numbers  
TIPPETT · Technological Applications of Statistics  
DEMING · Some Theory of Sampling  
COCHRAN and COX · Experimental Designs  
RICE · Control Charts  
DODGE and ROMIG · Sampling Inspection Tables

### Related Books of Interest to Statisticians

ALLEN and ELY · International Trade Statistics  
HAUSER and LEONARD · Government Statistics for Business Use

# 50-100

## Binomial Tables

HARRY G. ROMIG

*Quality Manager  
Hughes Aircraft Company  
Culver City, California*

New York · John Wiley & Sons, Inc.  
London · Chapman & Hall, Limited

Copyright 1947 by  
Bell Telephone Laboratories, Inc.

under the title

TABLE OF INDIVIDUAL AND CUMULATIVE  
TERMS OF THE POINT BINOMIAL  $(q + p)^n$

n: 50 to 100, in steps of 5

p: .01 to .50, in steps of .01

---

COPYRIGHT 1953 BY  
BELL TELEPHONE LABORATORIES, INC.

## FOREWORD

The tables in this book will find many uses both within and outside the field of quality control, and the discussion of interpolation which is included should notably enhance that usefulness.

Effective inspection plans are corollary to the quality control of manufactured products, and such plans can be determined only after evaluation of the probabilities connected with the various sampling procedures used. In making such evaluations, it has been necessary in the past to use approximate values of the  $p$  binomial. The exact values in these tables will afford a welcome substitute for such approximate values.

Dr. Romig's many contributions to the field of sampling inspection are well known, and it is particularly appropriate that he should now provide us the probability values necessary to the working out of sampling plans. He and his associates at Bell Telephone Laboratories are to be commended for the useful form in which they have presented these tables.

G. D. EDWARDS

Director of Quality Assurance  
Bell Telephone Laboratories



## PREFACE

This volume presents tables for the positive binomial  $(q + p)^n$ , where  $q = 1 - p$ , and covers the range of  $n$  values from 50 to 100 in steps of 5 and the range of  $p$  values from .01 to .99 in steps of .01. These tables, prepared while the author was associated with Bell Telephone Laboratories, give to six decimal places, the last doubtful, individual and cumulative probabilities for all values of  $x$  from 0 to  $n$ , where a six-place number exists. Each table for a particular set of  $n$  and  $p$  values is arranged in three columns, the first column designating the  $x$  value for which probability values listed in the second and third columns are given. The values in these columns are as follows:

Column 1: Value of  $x$ ,

Column 2: Individual Term—Probability of exactly  $x$ , and

Column 3: Cumulative ( $x$  or less)—Probability of  $x$  or less.

The cumulative values are summed from 0 to  $x$ . To obtain a probability value for  $x$  or more, read the cumulative value for  $x - 1$  and subtract the value read in the third column from 1.

For  $n$  values from 2 to 49 Reference [1] derived from Reference [2] presents probability values of the same nature as these Tables, the two tables jointly covering the range from 2 to 100. Probability values for intermediate  $p$  values for both tables and for intermediate  $n$  values for these Tables require the use of exact or approximate interpolation relations. In other instances where probability values are known, some of the other variables may be unknown. The solution for these latter problems is termed inverse interpolation. A brief treatment of interpolation for  $p$  is given in Reference [1] and is included herein for both  $p$  and  $n$ . For more complete interpolation procedures including inverse interpolation other texts should be consulted.

These Tables were computed at Bell Telephone Laboratories on a General Purpose Digital Computer (now known as the Model 5 Bell Laboratories Computer). They were collated and issued in preliminary draft form in a copyrighted *Memorandum*, dated June 4, 1947. In papers prepared by E. G. Andrews and H. W. Bode describing the Computer, these Tables are mentioned as one of the practical results obtained from it. The preliminary draft was reviewed in Reference [3] by W. Feller of Princeton University when at Cornell University.



## ACKNOWLEDGMENT

Thanks are extended to E. G. Andrews for his cooperation and assistance in computing these Tables; to H. Nyquist, John Riordan, and H. W. Bode for their aid in arranging for the project; to F. L. Alt of Aberdeen Proving Ground and his able assistant, Bettie Boyd, for setting up the project on the Computer; and to Alice G. Loe for checking all parts of these Tables, for computing some 5% of the tabular values which could not be completed by the Computing System because of limited availability, and for proof-reading parts of these Tables.

I am particularly indebted to G. D. Edwards and H. F. Dodge for fostering this project. My deepest appreciation is extended to Florence Shepard Briesmeister, Suzanne Campbell Ayres, Shirley M. Holt, and Elizabeth F. Lockey for assisting in the preparation and computation of examples for evaluating the different methods of interpolation; and to other members of the Quality Assurance Department of Bell Telephone Laboratories for guidance and cooperation.

My deepest thanks to Keet W. Halbert for his valuable criticism of the various interpolation methods; and to John Ulmschneider for compiling the three values of  $p$  on a page from the original layout of two values of  $p$  on a page.

I wish to express my appreciation to Professor H. O. Hartley of the University of London, for reviewing this work, and for his suggestions concerning the presentation of the material in two separate volumes, one giving the tables and a second covering interpolation given in Section 6 of the Introduction. I am deeply grateful to John Riordan of Bell Telephone Laboratories for developing many of the relations for exact interpolation, presented also in Section 6, which he has kindly granted me permission to use.

HARRY G. ROMIG

May 15, 1952  
Los Angeles, California



## CONTENTS

	Page
FOREWORD .....	v
PREFACE .....	vii
ACKNOWLEDGMENT .....	ix
INTRODUCTION .....	xiii
1. The Binomial, General and Restricted Forms .....	xiii
2. Related Distributions Covered by These Tables over a Limited Range .....	xiv
3. Notation for Binomial .....	xvi
4. Description of These Tables .....	xvii
Procedure Used in their Computation .....	xvii
Error .....	xvii
Arrangement of These Tables .....	xviii
5. Directions for Use of These Tables .....	xviii
Summarized Guide .....	xviii
p Binomial, $(q + p)^n$	xx
f Binomial, $[(1 - f) + f]^M$	xxiii
f Binomial—Approximation to Hypergeometric	xxiii
Ratio of Incomplete Beta-Function to Complete Beta-Function: $I_x(p, q)$	xxv
Procedure and Examples .....	xxvi
6. Interpolation .....	xxvi
Exact Interpolation .....	xxvi
Approximate Interpolation .....	xxv
Inverse Interpolation .....	xxvi
REFERENCES .....	xxvi
50-100 BINOMIAL TABLES .....	1-172
Individual Terms and Cumulative Values	
n = 50 to 100, inclusive, in steps of 5	
p = .01 to .50, inclusive, in steps of .01	



## INTRODUCTION

### 1. The Binomial, General and Restricted Forms

Recent advances in statistical techniques and procedures have given rise to a demand for tables of the more commonly used functions for which no values, or only a limited number of values, have been tabulated. Among these functions is the positive binomial distribution. The general binomial  $(a + b)^n$  has no restrictions placed on the values of  $a$ ,  $b$  and  $n$ . These variables may be positive or negative, integral or fractional. Unless  $n$  is a positive integer, the resultant series is infinite. Placing the following restrictions on all three variables results in the positive binomial:

1.  $a$  and  $b$  are positive fractions whose sum is 1; and
2.  $n$  is a positive integer.

This restricted binomial is generally written as  $(q + p)^n$ , where  $q = 1 - p$ , termed the positive binomial distribution, for which the sum of all the  $n + 1$  terms of the distribution is always 1. In its expanded form it is given as:

$$(q + p)^n = q^n + \frac{n}{1!} q^{n-1} p + \frac{n(n-1)}{2!} q^{n-2} p^2 + \dots + p^n. \quad (1)$$

The general term is written as:

$$P_{m,n} = C_m^n (1 - p)^{n-m} p^m. \quad (2)$$

Cumulatively this may be written:

$$\sum_{m=0}^n P_{m,n} = \sum_{m=0}^n C_m^n (1 - p)^{n-m} p^m. \quad (2')$$

The positive binomial distribution differs in its properties from the negative binomial described in References [4], [5], [6] and [7] and is used most commonly. Hereinafter, it is termed simply the binomial, for which probability values are provided by these 50-100 binomial tables. The binomial is also used to approximate many frequency distributions not satisfying all the conditions of a binomial distribution.

The binomial is not continuous, but consists of  $n + 1$  finite terms. Since tables for the binomial cover only a restricted range of  $n$  and  $p$  values, approximation relations have been used to represent both individual and cumulative values, often with considerable

error. The normal distribution and the Poisson exponential distribution are often used as such approximations for certain regions of  $n$  and  $p$ , the normal where  $p \approx .50$  and the Poisson where  $p$  is small, say less than .05.

## 2. Related Distributions Covered by These Tables over a Limited Range

Another distribution, the terms of which require a large amount of computation, is the hypergeometric, whose individual term is

$$P_{m,n;M,N} = \frac{1}{C_n^N} C_{n-m}^{N-M} C_m^M, \quad (3)$$

and whose cumulative term covering the entire distribution is

$$\sum_{m=0}^M P_{m,n;M,N} = \frac{1}{C_n^N} \sum_{m=0}^M C_{n-m}^{N-M} C_m^M, \quad (3')$$

where account is taken of the finite universe from which samples  $n$  are selected and  $M = pN$ . Discussions of this distribution are given in References [5] and [6]. When  $p$  is not large, a good approximation to the hypergeometric is provided by the so-called "f binomial," presented in Reference [8], p. 44, Equation (11). Its equation for an individual term is

$$P_{m,M,f} = C_m^M (1-f)^{M-m} f^m, \quad (4)$$

and whose cumulative term covering the entire distribution is

$$\sum_{m=0}^M P_{m,M,f} = \sum_{m=0}^M C_m^M (1-f)^{M-m} f^m, \quad (4')$$

where  $f = n/N$  and  $M = pN$ . Probability values for the f binomial distribution may be determined directly from these Binomial Tables by entering them using the following substitutions:

Symbol in f binomial:	M	f	m
Symbol for entering table:	n	p	x

Prior to the publication of the Binomial Tables, Reference [1], probability values for the binomial for  $n = 2$  to 49 were obtained from the "Tables of the Incomplete Beta-Function," Reference [2], by suitable substitutions. These Binomial Tables as well as those in Reference [1] may be used to obtain additional values of the Incomplete Beta-

Function if corresponding values of the Complete Beta-Function are available. Binomial probability values provide values of the ratio

$$I_x(p, q) = \frac{B_x(p, q)}{B(p, q)}, \quad (5)$$

where  $B_x(p, q)$  is the Incomplete Beta-Function

$$B_x(p, q) = \int_0^x x^{p-1} (1-x)^{q-1} dx, \quad (6)$$

and  $B(p, q)$  is the Complete Beta-Function

$$B(p, q) = \int_0^1 x^{p-1} (1-x)^{q-1} dx. \quad (6')$$

A useful recurrence formula for  $I_x(p, q)$  is,

$$I_x(p, q) = x I_x(p-1, q) + (1-x) I_x(p, q-1). \quad (5')$$

In the above the notation of Reference [2] is used. Using the binomial notation, the relationship between the functions is as follows:

$$\begin{aligned} \sum_{m=0}^x C_m^n q^{n-m} p^m &= \frac{n! (n-x)}{(n-x)! x!} B_q(n-x, x+1) \\ &= \frac{n!}{(n-x-1)! x!} \int_0^q y^{n-x-1} (1-y)^x dy. \end{aligned} \quad (7)$$

The coefficient of the Incomplete Beta-Function may be written as

$$\frac{n!}{(n-x-1)! x!} = \frac{\Gamma(n+1)}{\Gamma(n-x) \Gamma(x+1)} = \frac{1}{B(n-x, x+1)} = \frac{1}{\int_0^1 y^{n-x-1} (1-y)^x dy}. \quad (7a)$$

The binomial and the ratio of the Incomplete Beta-Function to the complete Beta-Function are related as follows:

$$\sum_{m=0}^x C_m^n q^{n-m} p^m = \frac{B_q(n-x, x+1)}{B(n-x, x+1)} = I_q(n-x, x+1). \quad (7')$$

The notation of Reference [2] for the ratio  $I_x(p, q)$  and its related functions uses the same letters as the binomial with different meanings, hence in this text a subscript I is attached to the symbols p, q, x and P related to the Ratio, and a subscript B is attached

to the symbols  $n, x, p$  and  $P$  related to the Binomial. In using these Tables for the determination of  $I_x(p, q)$  the relations between these two sets of variables are:

$$\begin{array}{ll} \hline q_I \leq p_I & q_I \geq p_I \\ \hline n_B = p_I + q_I - 1 & n_B = p_I + q_I - 1 \\ x_B = q_I - 1 & x_B = p_I - 1 \\ p_B = 1 - x_I & p_B = x_I \\ P_B = P_I & P_B = 1 - P_I \end{array}$$

### 3. Notation for Binomial

The following notations are used to represent the probabilities for individual terms and cumulative values of the binomial. The general term for the probability of the occurrence of exactly  $x$  events in  $n$  trials, where  $p$  is the probability of the occurrence of the event in a single trial and  $q = 1 - p$ , is

$$b(x, n, p) = P_{x, n, p} = C_x^n q^{n-x} p^x, \quad (8)$$

an individual term of the binomial distribution. The relation for determining the value of the cumulative sum of  $x + 1$  terms from 0 to  $x$ , inclusive, that is, the probability of the occurrence of  $x$  or less events in  $n$  trials, is

$$B(x, n, p) = P_{x \text{ or less, } n, p} = \sum_{m=0}^x C_m^n q^{n-m} p^m. \quad (9)$$

The relation for determining the probability of the occurrence of more than  $x$  events is

$$B'(x, n, p) = 1 - B(x, n, p) = P_{\text{more than } x, n, p} = \sum_{m=x+1}^n C_m^n q^{n-m} p^m. \quad (10)$$

Cumulative probabilities are often expressed in terms of  $x$  or more. No special notation for such a cumulative probability is given herein, but its relation is

$$1 - B(x - 1, n, p) = P_{x \text{ or more, } n, p} = \sum_{m=x}^n C_m^n q^{n-m} p^m. \quad (11)$$

For many years, it has been necessary to compute these values, when required. Tables to simplify such computations have been published, such as Reference [9]. Tables of the Poisson exponential, the most extensive being Reference [10], have been used to

provide approximate binomial probability values where time to compute the binomials themselves was not available.

#### 4. Description of These Tables

##### Procedure Used in their Computation

Part of the trial for the General Purpose Digital Computer (Model 5 Bell Laboratories Computer) consisted in computing both the individual and cumulative values of the binomial distribution. Tapes for use in the Computer were made for such computations using a Recursive Method. The term  $q^n = (1 - p)^n$  was first determined, it being the probability value for  $x = 0$  for a given value of  $n$  and  $p$ . The term for  $x = 1$ , the next successive term was found by multiplying  $q^n$  by  $n \frac{p}{q}$ , each succeeding term being obtained from the previous term by using the proper factor as a multiplier. Each succeeding individual term was determined by the relation

$$b(x + 1, n, p) = \frac{n - x}{x + 1} \frac{p}{q} b(x, n, p). \quad (12)$$

##### Error

This Recursive Method, due to opportunities for cumulative errors, gives values that are good in the fifth decimal place, but may be in error by several units in the sixth decimal place. The cumulative values were obtained by summing the individual terms beginning with  $x = 0$ , listing the first value when an integer appears in the sixth place. For both Individual terms and Cumulative values, these Tables give the sixth place, but this last figure is doubtful. The Cumulative values indicate this fact since the sum may be greater or less than 1.000000 by a few units, but it is not known what terms are in error in the sixth place. In these Tables, three values conclude at .999994, ten values at .999995 and one value at 1.000003. The balance of these Tables have terminating values in the range .999996 to 1.000002, inclusive.

These Tables as computed and typed originally had only two values of  $p$  per page. A table for one  $p$  value consists of individual and cumulative probability values corresponding to  $x$ , the cumulation being from 0 to  $x$ , inclusive. With two values of  $p$  per page, these probabilities for a given  $n$  were obtained line by line for  $x = 0, 1, 2, \dots$  by computing probability values for  $p = .01$  and then for  $p + .01 = .02$ . When these two tables were completed, the next page covering  $p = .03$  and  $.04$  was computed. This process was continued until  $p = .50$  was reached. Computations then proceeded in the same manner for

$n + 5$ ,  $n + 10$ , etc. The first  $n$  covered was  $n = 50$ . In these computations, relation (12) was modified to the more useful form

$$b(x, n, p) = \frac{n - x + 1}{x} \frac{p}{q} b(x - 1, n, p). \quad (13)$$

Although all computations followed the pattern above starting with  $x = 0$ , typed values are not given for some of the smaller  $x$  values, such as 0, 1, 2, where cumulative values and individual values have only zeros in the six places, i.e., .000000, and are also not given for some of the larger  $x$  values less than  $n$  where the individual terms again have zeros in the six places, at which  $x$  value tables terminate even though their cumulative sum is not 1.000000, usually being smaller but occasionally being larger as noted under Error above.

#### Arrangement of These Tables

Eleven  $n$  values are covered, 50, 55, ..., 95, 100, and for each  $n$  value, individual and cumulative binomial probability values are listed for 50  $p$  values, .01, .02, .03, ..., .49, .50. For each table covering an  $n$  and  $p$  value are listed three columns:

Column 1 is headed "x";

Column 2 is headed "Individual Term"; and

Column 3 is headed "Cumulative (x or less)."

Each page of these Tables lists the  $n$  value, such as 65, and three headings for  $p$  since at least three complete tables are given on one page as far as possible,  $p = .01, .02$ , and  $.03$  going together followed by  $p = .04, .05$  and  $.06$ , and so on. Where comparatively only a few  $x$  values are covered by the three  $p$  values covered, a page may present six tables rather than three tables.

#### 5. Directions for Use of These Tables

##### Summarized Guide

The tabulations below indicate the notation used in describing these probability values and their form for use in obtaining values for not only the  $p$  binomial, but also for the  $f$  binomial and the Incomplete Beta-Function Ratio.

##### $p$ Binomial, $(q + p)^n$

$n$  = number of units—sample size, lot size, or parameter corresponding to binomial  $n$ .

$x$  = term or cumulated terms covered.

$p$  = fraction defective or ratio involved.

$q = 1 - p$  = fraction non-defective or the "reciprocal ratio" involved.

$b$  = notation designating individual term of binomial.

$B$  = notation designating cumulative values of binomial summing from 0 to  $x$ , inclusive.

$B'$  = notation designating cumulative values of binomial summing from  $x + 1$  to  $n$ , inclusive.

### $f$ Binomial, $[(1 - f) + f]^M$

$f = \frac{n}{N}$  = ratio of sample size to lot size, often considered as fraction inspected.

$N$  = lot size, where  $n$  = sample size.

$M = pN$  = number of defectives in lot of size  $N$ .

### $f$ Binomial—Approximation to Hypergeometric

The  $f$  binomial is used to provide probability values that closely approximate the hypergeometric probabilities in certain areas for  $m$ ,  $n$ ,  $M$ ,  $N$  and  $p$ , where  $f = \frac{n}{N}$ . In

other areas, the  $p$  binomial covered directly by these Tables in certain regions provides approximate probabilities for the hypergeometric and is often used directly. The table below lists the relations for the  $f$  binomial in the general binomial notation for both individual and cumulative values.

#### Values of $x$ , $n$ , $p$ for entry in the Tables to obtain $P$

Condition	Individual	Cumulative		
		$x$ or less	more than $x$	$x$ or more
$p$ Binomial				
$p \leq .50$	$b(x, n, p)$	$B(x, n, p)$	$1 - B(x, n, p)$	$1 - B(x - 1, n, p)$
$p \geq .50$	$b(n - x, n, q)$	$1 - B(n - x - 1, n, q)$	$B(n - x - 1, n, q)$	$B(n - x, n, q)$
$f$ Binomial				
$f \leq .50$	$b(x, M, f)$	$B(x, M, f)$	$1 - B(x, M, f)$	$1 - B(x - 1, M, f)$
$f \geq .50$	$b(M - x, M, 1 - f)$	$1 - B(M - x - 1, M, 1 - f)$	$B(M - x - 1, M, 1 - f)$	$B(M - x, M, 1 - f)$

**Ratio of Incomplete Beta-Function to Complete Beta-Function:  $I_x(p, q)$** 

Detailed relations are given in Section 2 together with the correspondence between the binomial variables  $n_B$ ,  $x_B$ ,  $p_B$ ,  $q_B$ ,  $P_B$  and the variables  $p_1$ ,  $q_1$ ,  $x_1$ ,  $P_1$  for the Incomplete Beta-Function Ratio. In the table below are listed the relations that are to be used to give the probabilities  $P_1$  in terms of the binomial notation for cumulative values.

**Values of  $x_B$ ,  $n_B$ ,  $p_B$  for entry in the Tables to obtain  $P_1$** 

Condition	$q_1 \leq p_1^*$	$q_1 \geq p_1^*$
$x_1 \leq .50$	$1 - B(p_1 - 1, p_1 + q_1 - 1, x_1)$	$1 - B(p_1 - 1, p_1 + q_1 - 1, x_1)$
$x_1 \geq .50$	$B(q_1 - 1, p_1 + q_1 - 1, 1 - x_1)$	$B(q_1 - 1, p_1 + q_1 - 1, 1 - x_1)$

\*Relations are identical for  $q_1 \leq p_1$  and  $q_1 \geq p_1$ .

**Procedure and Examples** **$p \leq .50$ , Individual Term**

At the top of each table is given the  $n$  and  $p$  values covered by that table. The first column for each  $p$  value lists the  $x$  value and the second column gives the probability value for each individual term (value of  $x$ ). This value may be read directly.

**Example:** For  $x = 20$ ,  $n = 65$ ,  $p = .28$ , determine the probability of the occurrence of exactly 20 events, i.e.,  $b(x, n, p) = b(20, 65, .28) = ?$

**Solution:** Enter these Tables at  $n = 65$  and  $p = .28$ . For this particular table in line with  $x = 20$  in the first column, read in the adjacent second column

$$b(20, 65, .28) = \underline{.094519}.$$

 **$p \leq .50$ , Cumulative Value— $x$  or less**

The third column gives directly the probability for  $x$  or less and is so headed. Following the procedure above for individual terms, enter these Tables for the designated  $n$  and  $p$  values. From the particular table thus selected, corresponding to the designated  $x$  value, read directly in the third column the probability value for  $B(x, n, p)$ .

**Example:** For  $x = 4$ ,  $n = 75$ ,  $p = .04$ , determine the probability of the occurrence of 4 or less events, i.e.,  $B(x, n, p) = B(4, 75, .04) = ?$

**Solution:** Enter these Tables at  $n = 75$  and  $p = .04$ . For this particular table in line with  $x = 4$  in the first column, read in the next adjacent third column

$$B(4, 75, .04) = \underline{.818752}.$$

$p \leq .50$ , Cumulative Value—more than  $x$ 

The case where the probability is desired for the occurrence of more than  $x$  events is related to the case for  $x$  or less by the relation  $B'(x, n, p) = 1 - B(x, n, p)$  per equation (10). The procedure to be followed is that for  $x$  or less above with the additional step that the probability as read must be subtracted from 1 to give the desired probability value.

**Example:** For  $x = 4$ ,  $n = 75$ ,  $p = .04$ , determine the probability of the occurrence of more than 4 events, i.e.,  $B'(x, n, p) = B'(4, 75, .04) = ?$

**Solution:** Enter these Tables at  $n = 75$  and  $p = .04$ . For this particular table in line with  $x = 4$  in the first column, read in the next adjacent third column  $B(4, 75, .04) = .818752$ . Then

$$B'(4, 75, .04) = 1 - B(4, 75, .04) = 1 - .818752 = .181248.$$

 $p \leq .50$ , Cumulative Value— $x$  or more

This case is similar to the one above except that the individual probability value corresponding to  $x$  itself has been added. The probability desired is for the occurrence of  $x$  or more events in sample  $n$ . Equation (11) give  $1 - B(x - 1, n, p)$  to represent this cumulative probability. The procedure to be followed is that for  $x$  or less above except that  $x - 1$  is substituted for  $x$ .

**Example:** For  $x = 18$ ,  $n = 90$ ,  $p = .16$ , determine the probability of the occurrence of 18 or more events, i.e.,  $1 - B(x - 1, n, p) = 1 - B(17, 90, .16) = ?$

**Solution:** Enter these Tables at  $n = 90$  and  $p = .16$ . For this particular table in line with  $x - 1 = 17$  under the  $x$  column, read in the next adjacent third column  $B(17, 90, .16) = .815643$ . Then

$$1 - B(17, 90, .16) = 1 - .815643 = .184357.$$

 $p > .50$ , Individual Term

The summary table in this section provides the transformation  $b(x, n, p) = b(n - x, n, q)$  that applies. The procedure for  $p \leq .50$  for an individual term applies with  $n - x$  replacing  $x$  and  $q$  replacing  $p$ .

**Example:** For  $x = 45$ ,  $n = 70$ ,  $p = .70$ , determine the probability of the occurrence of exactly 45 events, i.e.,  $b(x, n, p) = b(45, 70, .70) = ?$

**Solution:** Since  $b(45, 70, .70)$  is not given directly in these Tables, its form is changed to  $b(n - x, n, q) = b(25, 70, .30)$  which does occur. For  $n = 70$ ,  $p = .30$ , in line with

$x = 25$  in first column, read in the adjacent second column  $b(25,70,.30) = .058531$ . Then

$$b(45,70,.70) = b(25,70,.30) = \underline{.058531}$$

**$p > .50$ , Cumulative Value— $x$  or less**

The transformation for determining the probability for  $x$  or less events when  $p > .50$  as given in the summary table is  $B(x,n,p) = 1 - B(n - x - 1,n,q) = B'(n - x - 1,n,q)$ . Since  $q = 1 - p$ , this transformation makes it possible to read a value in these Tables, which, when subtracted from 1, gives the desired probability value.

**Example:** For  $x = 50$ ,  $n = 80$ ,  $p = .65$ , determine the probability of the occurrence of 50 or less events, i.e.,  $B(x,n,p) = B(50,80,.65) = ?$

**Solution:** Using the above transformation  $B(50,80,.65) = 1 - B(29,80,.35)$ . Enter these Tables at  $n = 80$ ,  $p = .35$  and read in the third column, corresponding to  $x = 29$ ,  $B(29,80,.35) = .641170$ . Then

$$B(50,80,.65) = 1 - B(29,80,.35) = 1 - .641170 = \underline{.358830}$$

**$p > .50$ , Cumulative Value—more than  $x$**

The transformation in the summary table for this case where  $p > .50$  is  $B'(x,n,p) = 1 - B(x,n,p) = B(n - x - 1,n,q)$ . Substitute  $n - x - 1$  for  $x$  and  $q = 1 - p$  for  $p$  and read directly from these Tables for the cumulative ( $x$  or less) column the corresponding probability value.

**Example:** For  $x = 37$ ,  $n = 60$ ,  $p = .85$ , determine the probability of the occurrence of more than 37 events, i.e.,  $1 - B(37,60,.85) = ?$

**Solution:** Using the transformation above,  $1 - B(37,60,.85) = B(22,60,.15)$ . Enter these Tables for  $n = 60$ ,  $p = .15$  and read in the third column corresponding to  $x = 22$ ,  $B(22,60,.15) = .999992$ . Then

$$B'(37,60,.85) = 1 - B(37,60,.85) = B(22,60,.15) = \underline{.999992}$$

**$p > .50$ , Cumulative Value— $x$  or more**

For this case, the individual value for  $x$  is added to the cumulative value in the preceding case. The transformation in the summary table for this case where  $p > .50$  is  $B'(x - 1,n,p) = 1 - B(x - 1,n,p) = B(n - x,n,q)$ . Substitute  $n - x$  for  $x$  and  $q = 1 - p$  for  $p$  and read directly from these Tables for the cumulative ( $x$  or less) column the corresponding probability value.

Example: For  $x = 60$ ,  $n = 75$ ,  $p = .75$ , determine the probability of the occurrence of 60 or more events, i.e.,  $1 - B(59, 75, .75) = ?$

Solution: Using the transformation above,  $1 - B(59, 75, .75) = B(15, 75, .25)$ . Enter the Tables for  $n = 75$ ,  $p = .25$  and read in the third column corresponding to  $x = 15$ ,  $B(15, 75, .25) = .194592$ . Then

$$1 - B(59, 75, .75) = B(15, 75, .25) = \underline{.194592}.$$

## 6. Interpolation

These Tables provide probability values for  $n$  values in steps of 5 for  $n = 50$  to 100 and  $p$  values in steps of .01 for  $p = .01$  to .50, while Reference [1] provides similar probabilities for  $n$  values in steps of 1 for  $n = 2$  to 49, and  $p$  values from .01 to .50 in steps of .01 also. In these Tables, interpolation is necessary for both  $n$  and  $p$  and for  $p$  only in Reference [1] for the binomial. Reference [1] provides a system of interpolation for  $p$  that may also be used in these Tables. A companion volume to these Tables is to be published, covering in detail the various methods of interpolation with examples.

Some relations for exact interpolation for the Incomplete Beta-Function are given by T. A. Bancroft in Reference [11]. By proper transformations, these may be applied to the binomial. I am indebted to John Riordan of Bell Telephone Laboratories for many of the exact relations given below. Relations (18), (19) and (23) were provided by Professor H. O. Hartley, University of London.

### Exact Interpolation

#### Interpolation For $n$

##### Individual Terms

$$b(x, n - 2, p) = \frac{(x + 2)(x + 1)}{p^2 n(n - 1)} b(x + 2, n, p). \quad (14)$$

$$b(x, n - 1, p) = \frac{x + 1}{pn} b(x + 1, n, p). \quad (15)$$

$$b(x, n + 1, p) = qb(x, n, p) + pb(x - 1, n, p). \quad (16)$$

$$b(x, n + 2, p) = q^2 b(x, n, p) + 2qp b(x - 1, n, p) + p^2 b(x - 2, n, p). \quad (17)$$

$$b(x, n + h, p) = \sum_{i=0}^h b(i, h, p) b(x - i, n, p). \quad (18)$$

Cumulative Terms

$$B(x, n - 2, p) = B(x, n, p) + \frac{(x + 1)}{n(n - 1)q} [(1 + q)(n - 1) - x] [b(x + 1, n, p)]. \quad (19)$$

$$B(x, n - 1, p) = B(x, n, p) + \frac{x + 1}{n} b(x + 1, n, p). \quad (20)$$

$$B(x, n + 1, p) = qB(x, n, p) + pB(x - 1, n, p). \quad (21)$$

$$B(x, n + 2, p) = q^2B(x, n, p) + 2qpB(x - 1, n, p) + p^2B(x - 2, n, p). \quad (22)$$

$$B(x, n + h, p) = \sum_{i=0}^h b(i, h, p) B(x - i, n, p). \quad (23)$$

Interpolation For pIndividual Terms

$$b(x, n, p + r) = \left( \frac{p + r}{p} \right)^x \left( \frac{1 - p - r}{1 - p} \right)^{n-x} b(x, n, p). \quad (24)$$

For low accuracy interpolation, use

$$b(x, n, p + r) \approx \frac{1}{2} b(x, n, p) \left[ 1 + \left( 1 + \frac{(x - pn)r}{pq} \right)^2 \right]. \quad (25)$$

For direct evaluation, use

$$\log b(x, n, p) = \log C_x^n + (n - x) \log q + x \log p. \quad (26)$$

Cumulative Terms

$$B(x, n, p + r) = B(x, n, p) - \frac{n - x}{q} b(x, n, p) \sum_{i=1}^{\infty} \frac{r^i}{i!} g_{i-1}(x, n - 1, p), \quad (27)$$

$$\text{where } g_0 = g_0(x, n - 1, p) = 1, \quad (27a)$$

$$g_1 = g_1(x, n - 1, p) = \frac{x}{p} - \frac{n - 1 - x}{q}, \quad (27b)$$

$$g_2 = g_2(x, n-1, p) = \frac{x(x-1)}{p^2} - \frac{2x(n-1-x)}{pq} + \frac{(n-1-x)(n-2-x)}{q^2}, \quad (27c)$$

$$g_i = g_i(x, n-1, p) = \left[ \frac{(x)}{p} - \frac{(n-1-x)}{q} \right]^i = \frac{(x)_i}{p^i} - \frac{i(x)_{i-1}(n-1-x)_1}{p^{i-1}q} + \frac{i(i-1)(x)_{i-2}(n-1-x)_2}{2!p^{i-2}q^2} - \dots + (-1)^i \frac{(n-1-x)_i}{q^i}, \quad (27d)$$

$$g_{i+1} = g_{i+1}(x, n-1, p) = \left[ g_i - \frac{i(q-p)}{pq} \right] g_i - \frac{i(n-i)}{pq} g_{i-1}, \quad (27e)$$

$$(x)_j = x(x-1) \dots (x-j+1) \quad (27f)$$

is a Jordan factorial symbol.

### Approximate Interpolation

Interpolates for individual terms or cumulative values may be obtained by the use of linear interpolation but will only be rough approximations to the exact value obtained by computations using the binomial relation. A better approximation is obtained, especially for cumulative values, by the use of linear interpolation of the logarithms of the surrounding values read from these Tables. In most cases, if a fair degree of accuracy is desired for at least 4 places after the decimal, the interpolates for individual terms or cumulative values for  $n$ ,  $p$  or both  $n$  and  $p$  should be determined by the use of the 5-point Lagrangian Interpolation Coefficients or similar coefficients requiring more than 5 entries in these Tables. Such coefficients are given for from 3 points to 11 points in Reference [12]. Computations carried out by use of these coefficients require little time if performed on an automatic computing machine. More accuracy is obtained in most regions of the table if the logarithms of the entries in these Tables are used rather than the entries themselves. It is suggested that, where interpolates are to be obtained in a rather small area of these Tables, a tabulation of the 7-place logarithms of the entries in the entire useful area should be made for interpolation purposes.

When both  $n$  and  $p$  are not covered directly by these Tables, bi-variate or two-way uni-variate interpolation may be applied. Reference [13] provides Salzer's Interpol-

tion Coefficients for bi-variate interpolation. Ordinarily in two-way uni-variate interpolation a  $5 \times 5$  system would be used, interpolating first for  $n$  or  $p$  and second, for  $p$  or  $n$ . Salzer's method gives almost as exact values using only 15 points rather than 25 for the  $5 \times 5$  system. In some areas his 10-point system gives sufficient accuracy for most problems.

### Inverse Interpolation

In many cases, the probability  $P$  is given and one of the other variables,  $x$ ,  $n$  or  $p$  is the unknown. These Tables provide sufficient entries so that the unknown variable may be determined. A useful guide to assist in the determination of such an unknown variable is a nomograph for the binomial. For the inverse interpolation problem, often two possible answers may be obtained. If sufficient information is provided with the problem, the unknown variable can be determined by the use of entries in these Tables in the neighborhood of the given probability value for the  $p$  binomial, the  $f$  binomial and the Incomplete Beta-Function Ratio. Extreme care must be used in these determinations since it must be recognized that in many cases the only reasonable solution must be integral, particularly for  $x$  and  $n$  for the  $p$  binomial.

### REFERENCES:

- [1] National Applied Mathematics Laboratories of the National Bureau of Standards, Foreword by Churchill Eisenhart, "Tables of the Binomial Probability Distribution," Applied Mathematics Series 6. "Individual terms  $\binom{n}{r} p^r q^{n-r}$  for  $p = .01(.01).50$ ,  $q = 1 - p$ ,  $n = 2(1)49$ ,  $r = 0(1)n - 1, 7D$ ; Partial sums  $\sum_{s=r}^n \binom{n}{s} p^s q^{n-s}$  for  $p = .01(.01).50$ ,  $q = 1 - p$ ,  $n = 2(1)49$ , U. S. Government Printing Office, Supt. of Documents, Washington 25, D. C., 1950, 387 pages.
- [2] Pearson, Karl, "Tables of the Incomplete Beta-Function," University Press, Cambridge, England, 1934; 494 pages.
- [3] Mathematical Tables and other Aids to Computation, The National Research Council, Vol. III, No. 23, July, 1948, p. 179, No. 533 (K).
- [4] Wise, M. E., "The Use of the Negative Binomial Distribution in an Industrial Sampling Problem," *Supplement to the Journal of the Royal Statistical Society*, Vol. VIII, No. 2, 1946, pp. 202-211.
- [5] Kendall, M. G., "The Advanced Theory of Statistics," Volume I, Charles Griffin & Company Limited, London, 1943, 457 pages.

- [6] Feller, William, "An Introduction to Probability Theory and its Application," Volume I, John Wiley & Sons, Inc., New York, 1950, 419 pages.
- [7] Wilks, S. S., "Mathematical Statistics," Princeton University Press, Princeton, N. J., 1946, 284 pages.
- [8] Coggins, Paul P., "Some General Results of Elementary Sampling Theory for Engineering Use," *Bell System Technical Journal*, Vol. VII, January, 1928, pp. 26-69.
- [9] Luykx, H. M. C., "Biostatistics in Medical Research, II. Probabilities in Small Samples," *United States Naval Bulletin*, Vol. 44, No. 1, January, 1945, pp. 125-133.
- [10] Molina, E. C., "Poisson Exponential Binomial Limit, Table I—Individual Terms, Table II—Cumulated Terms," D. Van Nostrand Company, Inc., New York, 1942, 92 pages.
- [11] Bancroft, T. A., "Some Recurrence Formulae in the Incomplete Beta-Function Ratio," *The Annals of Mathematical Statistics*, Vol. XX, No. 3, September, 1949, pp. 451-455.
- [12] Works Projects Administration, WPA, Mathematical Tables Project, Arnold N. Lowan, Tech. Director, Sponsorship of the National Bureau of Standards, Lyman J. Briggs, Director, "Tables of Lagrangian Coefficients," Columbia University Press, New York, N. Y., 1944, 392 pages.
- [13] Salzer, Herbert E., "Tables of Coefficients for Interpolating in Functions of Two Variables," *Journal of Mathematics and Physics*, Vol. XXVI, No. 4, January, 1948, pp. 294-305.



50-100 BINOMIAL TABLES

n=50

p=.01

p=.02

p=.03

Individual Term

Cumulative (x or less)

x

Individual Term

Cumulative (x or less)

x

Individual Term

Cumulative (x or less)

.605006 .605006  
.305559 .910565  
.075618 .986183  
.012221 .998404  
.001450 .999854

0 .364170 .364170  
1 .371602 .735771  
2 .185801 .921572  
3 .060670 .982242  
4 .014548 .996790

0 .218065 .218065  
1 .337215 .555280  
2 .255518 .810798  
3 .126442 .937240  
4 .045949 .983189

.000135 .999989  
.000010 .999999  
.000001 1.000000  
.000000 1.000000

5 .002732 .999521  
6 .000418 .999939  
7 .000054 .999993  
8 .000006 .999999  
9 .000001 1.000000

5 .013074 .996264  
6 .003033 .999296  
7 .000590 .999886  
8 .000098 .999984  
9 .000014 .999998

10 .000000 1.000000

10 .000002 1.000000  
11 .000000 1.000001

p=.04

p=.05

p=.06

Individual Term

Cumulative (x or less)

x

Individual Term

Cumulative (x or less)

x

Individual Term

Cumulative (x or less)

.129886 .129886  
.270595 .400481  
.276233 .676714  
.184155 .860869  
.090159 .951028

0 .076945 .076945  
1 .202487 .279432  
2 .261101 .540533  
3 .219875 .760408  
4 .135975 .896383

0 .045331 .045331  
1 .144673 .190003  
2 .226243 .416246  
3 .231057 .647303  
4 .173293 .820596

.034561 .985589  
.010800 .996390  
.002829 .999218  
.000634 .999852  
.000123 .999975

5 .065841 .962224  
6 .025990 .988214  
7 .008598 .996812  
8 .002432 .999244  
9 .000597 .999842

5 .101763 .922359  
6 .048716 .971076  
7 .019546 .990621  
8 .006706 .997327  
9 .001997 .999325

.000021 .999996  
.000003 .999999  
.000000 1.000000

10 .000129 .999971  
11 .000025 .999995  
12 .000004 1.000000  
13 .000001 1.000001  
14 .000000 1.000001

10 .000523 .999847  
11 .000121 .999969  
12 .000025 .999994  
13 .000005 .999999  
14 .000001 .999999

15 .000000 1.000000

50-100 BINOMIAL TABLES

n= 50

p=.07

x Individual Term Cumulative (x or less)

0	.026555	.026555
1	.099938	.126494
2	.184295	.310789
3	.221947	.532735
4	.196292	.729027
5	.135927	.864954
6	.076733	.941686
7	.036304	.977990
8	.014687	.992678
9	.005159	.997837
10	.001592	.999429
11	.000436	.999864
12	.000107	.999971
13	.000023	.999995
14	.000005	.999999
15	.000001	1.000001
16	.000000	1.000001

p=.08

x Individual Term Cumulative (x or less)

0	.015466	.015466
1	.067246	.082712
2	.143262	.225974
3	.199321	.425296
4	.203654	.628950
5	.162924	.791874
6	.106255	.898128
7	.058077	.956205
8	.027145	.983350
9	.011015	.994365
10	.003927	.998292
11	.001242	.999534
12	.000351	.999885
13	.000089	.999974
14	.000020	.999995
15	.000004	.999999
16	.000001	1.000000
17	.000000	1.000000

p=.09

x Individual Term Cumulative (x or less)

0	.008955	.008955
1	.044283	.053238
2	.107302	.160541
3	.169797	.330337
4	.197319	.527656
5	.179538	.707194
6	.133174	.840368
7	.082789	.923157
8	.044010	.967167
9	.020312	.987480
10	.008237	.995716
11	.002962	.998679
12	.000952	.999631
13	.000275	.999906
14	.000072	.999978
15	.000017	.999995
16	.000004	.999999
17	.000001	.999999
18	.000000	1.000000

p=.10

x	Individual Term	Cumulative (x or less)
0	.005154	.005154
1	.028632	.033786
2	.077943	.111729
3	.138565	.250294
4	.180905	.431199
5	.184925	.616123
6	.154104	.770227
7	.107628	.877855
8	.064278	.942133
9	.033329	.975462
10	.015183	.990646
11	.006135	.996780
12	.002215	.998996
13	.000719	.999715
14	.000211	.999926
15	.000056	.999983
16	.000014	.999996
17	.000003	.999999
18	.000001	1.000001
19	.000000	1.000001

p=.11

x	Individual Term	Cumulative (x or less)
0	.002948	.002948
1	.018217	.021165
2	.055162	.076327
3	.109085	.185412
4	.158418	.343830
5	.180134	.523964
6	.166978	.690942
7	.129723	.820665
8	.086178	.906843
9	.049706	.956549
10	.025188	.981737
11	.011320	.993058
12	.004547	.997605
13	.001643	.999248
14	.000537	.999784
15	.000159	.999944
16	.000043	.999987
17	.000011	.999997
18	.000002	1.000000
19	.000001	1.000001
20	.000000	1.000001

p=.12

x	Individual Term	Cumulative (x or less)
0	.001675	.001675
1	.014244	.013099
2	.038165	.051264
3	.083269	.134534
4	.133420	.267954
5	.167382	.435336
6	.171186	.606521
7	.146731	.753252
8	.107547	.860799
9	.068439	.929238
10	.038264	.967501
11	.018974	.986475
12	.008409	.994884
13	.003352	.998236
14	.001208	.999444
15	.000395	.999839
16	.000118	.999957
17	.000032	.999989
18	.000008	.999997
19	.000002	.999999
20	.000000	.999999

## 50-100 BINOMIAL TABLES

n=  
50

p=.13

p=.14

p=.15

Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
.000946	.000946	0	.000531	.000531	0	.000296	.000296
.007059	.008015	1	.004320	.004351	1	.002610	.002905
.025879	.033694	2	.017231	.022082	2	.011283	.014189
.061872	.095766	3	.044881	.066964	3	.031858	.046047
.108631	.204397	4	.085849	.152813	4	.066059	.112105
.149336	.353733	5	.128574	.281387	5	.107248	.219353
.167359	.521092	6	.156979	.438366	6	.141946	.561299
.157191	.678283	7	.160630	.598996	7	.157453	.518751
.126250	.804533	8	.140551	.739347	8	.149348	.668100
.088036	.892570	9	.106775	.846323	9	.122993	.791092
.053535	.946505	10	.071266	.917589	10	.088989	.880081
.029306	.975811	11	.042187	.959777	11	.057105	.937186
.014232	.990043	12	.022320	.982097	12	.032751	.969938
.006216	.996259	13	.010621	.992718	13	.016894	.986832
.002455	.998714	14	.004569	.997287	14	.007879	.994712
.000880	.999595	15	.001785	.999072	15	.003337	.998049
.000288	.999883	16	.000636	.999708	16	.001288	.999357
.000086	.999969	17	.000207	.999915	17	.000455	.999792
.000024	.999992	18	.000062	.999977	18	.000147	.999939
.000006	.999998	19	.000017	.999994	19	.000044	.999982
.000001	.999999	20	.000004	.999998	20	.000012	.999994
.000000	1.000000	21	.000001	.999999	21	.000003	.999997
		22	.000000	.999999	22	.000001	.999998
					23	.000000	.999998

n=

50

## 50-100 BINOMIAL TABLES

p=.16

x	Individual Term	Cumulative (x or less)
0	.000164	.000164
1	.001559	.001722
2	.007274	.008997
3	.022169	.031165
4	.049616	.080781
5	.086946	.167727
6	.124209	.291936
7	.148712	.440648
8	.152253	.592901
9	.135336	.728237
10	.105691	.833928
11	.073206	.907134
12	.045318	.952452
13	.025232	.977684
14	.012702	.990386
15	.005807	.996192
16	.002419	.998612
17	.000922	.999533
18	.000322	.999855
19	.000103	.99998
20	.000030	.999989
21	.000008	.999997
22	.000002	.999999
23	.000000	1.000000

p=.17

x	Individual Term	Cumulative (x or less)
0	.000090	.000090
1	.000921	.001011
2	.004621	.005632
3	.015145	.020778
4	.036449	.057226
5	.068682	.125908
6	.105505	.231413
7	.135831	.367243
8	.149537	.516780
9	.142931	.659710
10	.120027	.779738
11	.089396	.869134
12	.059508	.928641
13	.035627	.964268
14	.019285	.983554
15	.009480	.993034
16	.004247	.997281
17	.001740	.999021
18	.000653	.999674
19	.000225	.999900
20	.000072	.999971
21	.000021	.999992
22	.000006	.999998
23	.000001	.999999
24	.000000	1.000000

p=.18

x	Individual Term	Cumulative (x or less)
0	.000049	.000049
1	.000538	.000587
2	.002896	.003483
3	.010170	.013633
4	.026231	.039885
5	.052975	.092859
6	.087214	.180073
7	.120337	.300411
8	.141983	.442394
9	.145446	.587840
10	.130902	.718742
11	.104489	.823231
12	.074544	.897775
13	.047831	.945606
14	.027749	.973355
15	.014619	.987974
16	.007020	.994994
17	.003082	.998075
18	.001240	.999316
19	.000459	.999774
20	.000156	.999930
21	.000049	.999979
22	.000014	.999993
23	.000004	.999997
24	.000001	.999998
25	.000000	.999998

## 50-100 BINOMIAL TABLES

n=50

p=.19

p=.20

p=.21

x	Individual Term	Cumulative (x or less)
0	.000027	.000027
1	.000312	.000338
2	.001790	.002128
3	.006719	.008848
4	.018519	.027367
5	.039965	.067331
6	.070308	.137639
7	.103664	.241304
8	.130700	.372004
9	.143071	.515074
10	.137995	.652670
11	.117365	.770035
12	.089473	.859508
13	.061348	.920856
14	.038031	.958887
15	.021410	.980297
16	.010986	.991283
17	.005154	.996437
18	.002216	.998654
19	.000876	.999529
20	.000318	.999848
21	.000107	.999954
22	.000033	.999987
23	.000009	.999997
24	.000002	.999999
25	.000001	1.000000
26	.000000	1.000000

x	Individual Term	Cumulative (x or less)
0	.000014	.000014
1	.000178	.000193
2	.001093	.001285
3	.004371	.005656
4	.012840	.018496
5	.029531	.048027
6	.053371	.103398
7	.087012	.190410
8	.116922	.307332
9	.136409	.443741
10	.139819	.583560
11	.127108	.710668
12	.103276	.813944
13	.075471	.889414
14	.049864	.939279
15	.029919	.969197
16	.016362	.985559
17	.008181	.993740
18	.003750	.997490
19	.001579	.999068
20	.000612	.999680
21	.000218	.999899
22	.000072	.999971
23	.000022	.999993
24	.000006	.999999
25	.000002	1.000001
26	.000000	1.000001

x	Individual Term	Cumulative (x or less)
0	.000008	.000008
1	.000101	.000109
2	.000659	.000767
3	.002801	.003569
4	.008750	.012319
5	.021399	.033718
6	.042663	.076381
7	.071285	.147666
8	.101852	.249518
9	.126348	.375866
10	.137703	.513568
11	.133107	.646676
12	.114995	.761670
13	.089353	.851024
14	.062773	.913797
15	.040048	.953845
16	.023287	.977132
17	.012381	.989513
18	.006034	.995547
19	.002701	.998248
20	.001113	.999361
21	.000423	.999783
22	.000148	.999932
23	.000048	.999979
24	.000014	.999994
25	.000004	.999998
26	.000001	.999999
27	.000000	.999999

n=

50

## 50-100 BINOMIAL TABLES

p=.22

x	Individual Term	Cumulative (x or less)
0	.000004	.000004
1	.000057	.000061
2	.000392	.000453
3	.001770	.002223
4	.005866	.008089
5	.015221	.023310
6	.032199	.055509
7	.057085	.112595
8	.086543	.199137
9	.113911	.313048
10	.131728	.444776
11	.135106	.579882
12	.123847	.703725
13	.102106	.805835
14	.076112	.881947
15	.051522	.933469
16	.031789	.965238
17	.017932	.983190
18	.009273	.992462
19	.004403	.996867
20	.001926	.998793
21	.000776	.999569
22	.000288	.999857
23	.000099	.999956
24	.000031	.999988
25	.000009	.999997
26	.000003	1.000000
27	.000001	1.000001
28	.000000	1.000001

p=.23

x	Individual Term	Cumulative (x or less)
0	.000002	.000002
1	.000032	.000034
2	.000231	.000264
3	.001103	.001367
4	.003871	.005238
5	.010637	.015874
6	.023829	.039703
7	.044740	.084443
8	.071830	.156273
9	.100127	.256401
10	.122623	.379024
11	.133192	.512216
12	.129300	.641516
13	.112895	.754411
14	.089122	.843533
15	.063890	.907424
16	.041746	.949170
17	.024939	.974110
18	.013657	.987767
19	.006871	.994638
20	.003181	.997819
21	.001357	.999176
22	.000534	.999711
23	.000194	.999905
24	.000065	.999970
25	.000020	.999991
26	.000006	.999996
27	.000002	.999998
28	.000000	.999998

p=.24

x	Individual Term	Cumulative (x or less)
0	.000001	.000001
1	.000017	.000018
2	.000134	.000153
3	.000678	.000830
4	.002515	.003346
5	.007307	.010653
6	.017306	.027959
7	.034353	.062312
8	.058309	.120621
9	.085929	.206550
10	.111256	.317806
11	.127758	.445563
12	.131120	.576683
13	.121033	.697716
14	.101013	.798729
15	.076557	.875286
16	.052883	.928171
17	.033401	.961372
18	.019337	.980909
19	.010283	.991194
20	.005034	.996228
21	.002271	.998499
22	.000943	.999444
23	.000363	.999808
24	.000129	.999937
25	.000042	.999979
26	.000013	.999992
27	.000004	.999996
28	.000001	.999997
29	.000000	.999997

## 50-100 BINOMIAL TABLES

n=50

p=.25

p=.26

p=.27

x	Individual Term	Cumulative (x or less)
0	.000001	.000001
1	.000009	.000010
2	.000077	.000087
3	.000411	.000498
4	.001610	.002108
5	.004938	.007046
6	.012345	.019391
7	.025665	.045256
8	.046341	.091597
9	.072087	.163684
10	.098519	.262203
11	.119416	.381619
12	.129368	.510987
13	.126051	.637037
14	.111045	.748082
15	.088836	.836918
16	.064776	.901694
17	.043184	.944878
18	.026390	.971268
19	.014816	.986083
20	.007655	.993738
21	.003645	.997383
22	.001602	.998585
23	.000650	.999635
24	.000244	.999878
25	.000084	.999963
26	.000027	.999990
27	.000008	.999998
28	.000002	1.000001
29	.000001	1.000002
30	.000000	1.000000

x	Individual Term	Cumulative (x or less)
0	.000000	.000000
1	.000005	.000005
2	.000044	.000049
3	.000246	.000295
4	.001016	.001311
5	.003284	.004595
6	.008653	.013248
7	.019111	.032359
8	.036091	.068449
9	.059176	.127625
10	.085245	.212870
11	.108913	.321783
12	.124366	.446149
13	.127728	.573877
14	.118604	.692481
15	.100012	.792493
16	.078867	.859360
17	.0504015	.923375
18	.034793	.958168
19	.020589	.978757
20	.011213	.989970
21	.005628	.995598
22	.002607	.998205
23	.001115	.999320
24	.000441	.999780
25	.000161	.999921
26	.000054	.999976
27	.000017	.999993
28	.000005	.999998
29	.000001	.999999
30	.000000	.999999

x	Individual Term	Cumulative (x or less)
1	.000003	.000003
2	.000025	.000027
3	.000145	.000173
4	.000632	.000805
5	.002150	.002955
6	.005964	.008919
7	.013865	.022784
8	.027564	.050348
9	.047577	.097925
10	.072147	.170072
11	.097055	.267106
12	.116641	.383747
13	.126105	.509852
14	.123267	.633119
15	.109421	.742539
16	.088529	.831069
17	.065488	.896556
18	.044406	.940962
19	.027662	.968624
20	.015858	.984482
21	.008379	.992861
22	.004085	.996946
23	.001839	.998786
24	.000765	.999551
25	.000294	.999845
26	.000105	.999950
27	.000034	.999984
28	.000010	.999995
29	.000003	.999998
30	.000001	.999999
31	.000000	.999999

n=

50

## 50-100 BINOMIAL TABLES

p=.28

x	Individual Term	Cumulative (x or less)
1	.000001	.000002
2	.000014	.000015
3	.000085	.000100
4	.000387	.000487
5	.001386	.001874
6	.004043	.005917
7	.009883	.015800
8	.020659	.036459
9	.037492	.073951
10	.059779	.133730
11	.084536	.218265
12	.106844	.325109
13	.121455	.446564
14	.124828	.571392
15	.116307	.687898
16	.099111	.787010
17	.077087	.864097
18	.054960	.919056
19	.035997	.955054
20	.021698	.976752
21	.012055	.988806
22	.006179	.994986
23	.002926	.997912
24	.001280	.999191
25	.000518	.999709
26	.000194	.999903
27	.000067	.999970
28	.000021	.999991
29	.000006	.999997
30	.000002	.999999
31	.000000	.999999

p=.29

x	Individual Term	Cumulative (x or less)
1	.000001	.000001
2	.000007	.000008
3	.000049	.000057
4	.000234	.000291
5	.000880	.001172
6	.002697	.003869
7	.006925	.010793
8	.015202	.025996
9	.028977	.054973
10	.048527	.103500
11	.072075	.175575
12	.095678	.271253
13	.114233	.385486
14	.123312	.508797
15	.120880	.629677
16	.108005	.737682
17	.088229	.825911
18	.066068	.891979
19	.045449	.937429
20	.028774	.966203
21	.016790	.982992
22	.009040	.992032
23	.004495	.996527
24	.002065	.998593
25	.000877	.999470
26	.000345	.999815
27	.000125	.999940
28	.000042	.999982
29	.000013	.999995
30	.000004	.999998
31	.000001	.999999
32	.000000	1.000000

p=.30

x	Individual Term	Cumulative (x or less)
1	.000000	.000000
2	.000004	.000004
3	.000028	.000032
4	.000140	.000172
5	.000551	.000723
6	.001771	.002494
7	.004770	.007264
8	.010989	.018253
9	.021978	.040232
10	.038619	.078851
11	.060185	.139036
12	.083830	.222866
13	.105017	.327885
14	.118948	.446831
15	.122347	.569178
16	.114700	.683877
17	.098314	.782192
18	.077247	.859438
19	.055757	.915195
20	.037039	.952234
21	.022677	.974911
22	.012811	.987722
23	.006684	.994406
24	.003223	.997628
25	.001436	.999065
26	.000592	.999656
27	.000225	.999882
28	.000079	.999961
29	.000026	.999987
30	.000008	.999995
31	.000002	.999997
32	.000001	.999997
33	.000000	.999998

## 50-100 BINOMIAL TABLES

n-  
50

p=.31

p=.32

p=.33

x	Individual Term	Cumulative (x or less)
2	.000002	.000002
3	.000016	.000018
4	.000082	.000100
5	.000340	.000440
6	.001145	.001584
7	.003233	.004817
8	.007806	.012623
9	.016366	.028989
10	.030147	.059137
11	.049252	.108389
12	.071916	.180335
13	.094444	.274749
14	.112140	.386589
15	.120917	.507806
16	.118836	.626641
17	.106780	.733421
18	.087951	.821372
19	.066551	.887923
20	.046344	.934267
21	.029745	.964012
22	.017616	.981628
23	.009635	.991262
24	.004870	.996132
25	.002275	.998407
26	.000983	.999390
27	.000393	.999783
28	.000145	.999928
29	.000049	.999977
30	.000016	.999993
31	.000005	.999997
32	.000001	.999998
33	.000000	.999999

x	Individual Term	Cumulative (x or less)
2	.000001	.000001
3	.000009	.000010
4	.000048	.000058
5	.000206	.000264
6	.000729	.000992
7	.002155	.003147
8	.005451	.008598
9	.011970	.020568
10	.023095	.043663
11	.039521	.083185
12	.060444	.143629
13	.083145	.226774
14	.103407	.330182
15	.116790	.446971
16	.120225	.567196
17	.113153	.680348
18	.097622	.779790
19	.077372	.855342
20	.056436	.911778
21	.037940	.949718
22	.023535	.973253
23	.013483	.986736
24	.007138	.993875
25	.003493	.997368
26	.001581	.998949
27	.000661	.999610
28	.000256	.999866
29	.000091	.999957
30	.000030	.999987
31	.000009	.999996
32	.000003	.999999
33	.000001	.999999
34	.000000	.999999

x	Individual Term	Cumulative (x or less)
2	.000001	.000001
3	.000005	.000005
4	.000027	.000033
5	.000124	.000156
6	.000457	.000613
7	.001414	.002026
8	.003742	.005769
9	.008602	.014370
10	.017370	.031740
11	.031110	.062850
12	.049800	.112650
13	.071698	.184348
14	.093329	.277677
15	.110324	.388001
16	.118866	.506867
17	.117092	.623958
18	.105732	.729690
19	.087708	.817398
20	.066959	.884358
21	.047114	.931472
22	.030589	.962061
23	.018342	.980403
24	.010163	.990566
25	.005206	.995772
26	.002466	.998238
27	.001079	.999317
28	.000437	.999754
29	.000163	.999917
30	.000056	.999973
31	.000018	.999991
32	.000005	.999996
33	.000001	.999998
34	.000000	.999998

n=  
50

50-100 BINOMIAL TABLES

p=.34			p=.35			p=.36		
x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
2	.000000	.000000	3	.000001	.000002	3	.000001	.000001
3	.000003	.000003	4	.000009	.000010	4	.000005	.000005
4	.000015	.000018	5	.000042	.000053	5	.000024	.000030
5	.000073	.000091	6	.000171	.000224	6	.000103	.000132
6	.000282	.000373	7	.000580	.000804	7	.000363	.000495
7	.000913	.001286	8	.001678	.002482	8	.001096	.001591
8	.002527	.003812	9	.004216	.006598	9	.002877	.004468
9	.006074	.009886	10	.009309	.016006	10	.006636	.011104
10	.012830	.022716	11	.018226	.034233	11	.013573	.024677
11	.024033	.046750	12	.031896	.066129	12	.024813	.049491
12	.040238	.085987	13	.050204	.116333	13	.040799	.090290
13	.060591	.147578	14	.071444	.187777	14	.060652	.150942
14	.082493	.230072	15	.092327	.280104	15	.081880	.232822
15	.101992	.332063	16	.108751	.388855	16	.100751	.333573
16	.114934	.446997	17	.117116	.505972	17	.113345	.446918
17	.118416	.565413	18	.115615	.621586	18	.116887	.563805
18	.111838	.677251	19	.104849	.726436	19	.110735	.674540
19	.097033	.774284	20	.087509	.813944	20	.096547	.771087
20	.077479	.851763	21	.067314	.881259	21	.077582	.848669
21	.057019	.908783	22	.047779	.929038	22	.057526	.906195
22	.038720	.947503	23	.031320	.960358	23	.039393	.945587
23	.024283	.971785	24	.018973	.979331	24	.024928	.970515
24	.014073	.985858	25	.010625	.989955	25	.014583	.985098
25	.007540	.993398	26	.005501	.995456	26	.007887	.992986
26	.003735	.997133	27	.002633	.998089	27	.003944	.996929
27	.001710	.998843	28	.001165	.999254	28	.001822	.998752
28	.000724	.999567	29	.000476	.999730	29	.000778	.999529
29	.000283	.999849	30	.000179	.999909	30	.000306	.999835
30	.000102	.999951	31	.000062	.999971	31	.000111	.999947
31	.000034	.999985	32	.000020	.999991	32	.000037	.999984
32	.000010	.999996	33	.000006	.999997	33	.000011	.999995
33	.000003	.999999	34	.000002	.999999	34	.000003	.999998
34	.000001	.999999	35	.000000	.999999	35	.000001	.999999
35	.000000	1.000000				36	.000000	.999999

## 50-100 BINOMIAL TABLES

n=

50

p=.37

p=.38

p=.39

x	Individual Term	Cumulative (x or less)
4	.000003	.000003
5	.000014	.000017
6	.000060	.000077
7	.000223	.000300
8	.000704	.001005
9	.001930	.002935
10	.004648	.007583
11	.009927	.017511
12	.018949	.036460
13	.032530	.068989
14	.050491	.119481
15	.071169	.190649
16	.091432	.282081
17	.107396	.389477
18	.115635	.505112
19	.114380	.619492
20	.104122	.723613
21	.087358	.810972
22	.067630	.878602
23	.048354	.926956
24	.031948	.958904
25	.019514	.978417
26	.011020	.989457
27	.005753	.995190
28	.002775	.997965
29	.001236	.999202
30	.000508	.999710
31	.000153	.999903
32	.000067	.999970
33	.000022	.999991
34	.000006	.999998
35	.000002	.999999
36	.000000	1.000000

x	Individual Term	Cumulative (x or less)
4	.000001	.000002
5	.000005	.000009
6	.000035	.000044
7	.000135	.000179
8	.000445	.000625
9	.001273	.001895
10	.003200	.005098
11	.007132	.012231
12	.014207	.026438
13	.025453	.051890
14	.041229	.093119
15	.060646	.153766
16	.081310	.235076
17	.099671	.334747
18	.119995	.446742
19	.115608	.562350
20	.109828	.672178
21	.096162	.768340
22	.077691	.846032
23	.057969	.904000
24	.039970	.943971
25	.025478	.969449
26	.015015	.984464
27	.008180	.992644
28	.004118	.996762
29	.001915	.998577
30	.000822	.999499
31	.000325	.999824
32	.000118	.999942
33	.000040	.999981
34	.000012	.999993
35	.000003	.999997
36	.000001	.999998
37	.000000	.999998

x	Individual Term	Cumulative (x or less)
4	.000001	.000001
5	.000004	.000005
6	.000020	.000025
7	.000081	.000106
8	.000277	.000382
9	.000826	.001208
10	.002165	.003374
11	.005034	.008408
12	.010460	.018668
13	.019548	.038415
14	.033030	.071446
15	.050682	.122128
16	.070882	.193010
17	.090636	.283647
18	.106238	.389884
19	.114396	.504280
20	.113364	.617645
21	.103541	.721186
22	.087262	.808447
23	.067918	.876366
24	.048851	.925217
25	.032482	.957699
26	.019968	.977668
27	.011348	.989016
28	.005960	.994976
29	.002891	.997866
30	.001294	.999160
31	.000534	.999694
32	.000203	.999896
33	.000071	.999967
34	.000023	.999989
35	.000007	.999996
36	.000002	.999998
37	.000000	.999998

n-  
50

50-100 BINOMIAL TABLES

p=.40			p=.41			p=.42		
x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
4	.000000	.000000	5	.000001	.000001	5	.000001	.000001
6	.000002	.000003	6	.000006	.000008	6	.000003	.000004
7	.000011	.000014	7	.000027	.000035	7	.000013	.000020
8	.000047	.000061	8	.000102	.000137	8	.000060	.000080
9	.000169	.000231	9	.000330	.000467	9	.000204	.000283
10	.001440	.002197	10	.000941	.001408	10	.000604	.000888
11	.003491	.005688	11	.002378	.003786	11	.001591	.002479
12	.007563	.013251	12	.005370	.009156	12	.003745	.006224
13	.014738	.027988	13	.010909	.02065	13	.007927	.014152
14	.025967	.053955	14	.020034	.040099	14	.015172	.029323
15	.041547	.095502	15	.033413	.073513	15	.026367	.055690
16	.060589	.156091	16	.050793	.124305	16	.041767	.097457
17	.080785	.236876	17	.070593	.194898	17	.060490	.157947
18	.098737	.335613	18	.089936	.284835	18	.080305	.282829
19	.110863	.446476	19	.105260	.390095	19	.097940	.336193
20	.114558	.561034	20	.113378	.503472	20	.109930	.446123
21	.109103	.670137	21	.112524	.616026	21	.113720	.559843
22	.095878	.766015	22	.103102	.719128	22	.108551	.668394
23	.077814	.843830	23	.087223	.806351	23	.095694	.764088
24	.056361	.902191	24	.068189	.874540	24	.077958	.842046
25	.040463	.942654	25	.049281	.923821	25	.058710	.900756
26	.025938	.968592	26	.032929	.956750	26	.040879	.941636
27	.015371	.983963	27	.020340	.977090	27	.026313	.967949
28	.008417	.992380	28	.011611	.988701	28	.015652	.983600
29	.004257	.996637	29	.006121	.994822	29	.008598	.992199
30	.001987	.998624	30	.002977	.997799	30	.004358	.996557
31	.000854	.999478	31	.001335	.999134	31	.002036	.998593
32	.000338	.999816	32	.000551	.999685	32	.000873	.999469
33	.000123	.999939	33	.000209	.999894	33	.000346	.999815
34	.000041	.999980	34	.000073	.999966	34	.000125	.999940
35	.000012	.999993	35	.000023	.999989	35	.000041	.999981
36	.000003	.999996	36	.000007	.999996	36	.000013	.999994
37	.000001	.999997	37	.000002	.999998	37	.000003	.999997
38	.000000	.999998	38	.000000	.999998	38	.000001	.999998
						39	.000000	.999998

## 50-100 BINOMIAL TABLES

n-  
50

p=.43

p=.44

p=.45

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
6	.000002	.000002	6	.000001	.000001	6	.000000	.000001
7	.000009	.000011	7	.000005	.000006	7	.000003	.000003
8	.000035	.000046	8	.000020	.000026	8	.000011	.000014
9	.000123	.000169	9	.000073	.000099	9	.000043	.000057
10	.000381	.000551	10	.000236	.000336	10	.000144	.000201
11	.001046	.001597	11	.000676	.001011	11	.000428	.000630
12	.002565	.004162	12	.001725	.002736	12	.001139	.001769
13	.005656	.009818	13	.003962	.006698	13	.002724	.004493
14	.011277	.021095	14	.008227	.014925	14	.005891	.010364
15	.020417	.041511	15	.015514	.030439	15	.011567	.021951
16	.033692	.075204	16	.026664	.057103	16	.020702	.042653
17	.050854	.128038	17	.041901	.099003	17	.033877	.076530
18	.070306	.196343	18	.060357	.159360	18	.050815	.127345
19	.089326	.285670	19	.079871	.239231	19	.070023	.197368
20	.104449	.390119	20	.097271	.336502	20	.088802	.286169
21	.112564	.502683	21	.109182	.445684	21	.103794	.389963
22	.111936	.614619	22	.113081	.558765	22	.111943	.501906
23	.102800	.717419	23	.108165	.665929	23	.111501	.613407
24	.087245	.804663	24	.095610	.762539	24	.102631	.716038
25	.068449	.873112	25	.078127	.840666	25	.087330	.803368
26	.049651	.922763	26	.059024	.899690	26	.068704	.872071
27	.033294	.956057	27	.041223	.940913	27	.049966	.922038
28	.020631	.976688	28	.026606	.967519	28	.033581	.955619
29	.011807	.988496	29	.015859	.983378	29	.020843	.976462
30	.006235	.994731	30	.008722	.992100	30	.011938	.988400
31	.003035	.997765	31	.004421	.996522	31	.006301	.994701
32	.001359	.999125	32	.002063	.998584	32	.003061	.997763
33	.000559	.999684	33	.000884	.999468	33	.001366	.999129
34	.000211	.999895	34	.000347	.999816	34	.000359	.999688
35	.000073	.999968	35	.000125	.999940	35	.000209	.999897
36	.000023	.999991	36	.000041	.999981	36	.000071	.999968
37	.000007	.999997	37	.000012	.999993	37	.000022	.999990
38	.000002	.999999	38	.000003	.999997	38	.000006	.999996
39	.000000	.999999	39	.000001	.999997	39	.000002	.999998
			40	.000000	.999998	40	.000000	.999998

n=

50

## 50-100 BINOMIAL TABLES

p=.46

x	Individual Term	Cumulative (x or less)
6	.000000	.000000
7	.000001	.000002
8	.000006	.000008
9	.000025	.000033
10	.000086	.000119
11	.000267	.000385
12	.000738	.001124
13	.001839	.002962
14	.004139	.007101
15	.008462	.015564
16	.015769	.031333
17	.026866	.058198
18	.041957	.100155
19	.060195	.160351
20	.079480	.239831
21	.096722	.336553
22	.108609	.445161
23	.112631	.557792
24	.107938	.665731
25	.095625	.761356
26	.078325	.839681
27	.059308	.898969
28	.041500	.940485
29	.026819	.967308
30	.015992	.983300
31	.008789	.992089
32	.004445	.996534
33	.002065	.998600
34	.000880	.999479
35	.000343	.999822
36	.000122	.999943
37	.000039	.999983
38	.000011	.999994
39	.000003	.999997
40	.000001	.999998
41	.000000	.999998

p=.47

x	Individual Term	Cumulative (x or less)
7	.000001	.000001
8	.000003	.000004
9	.000014	.000018
10	.000051	.000069
11	.000163	.000232
12	.000470	.000701
13	.001218	.001919
14	.002834	.004773
15	.006074	.010847
16	.011782	.022529
17	.020897	.043526
18	.033974	.077501
19	.050742	.128243
20	.069747	.197989
21	.088358	.286348
22	.103287	.389634
23	.111505	.501140
24	.111242	.612382
25	.102595	.714977
26	.087481	.802458
27	.068958	.871416
28	.050231	.921647
29	.033793	.955440
30	.020977	.976417
31	.012001	.988418
32	.006319	.994737
33	.003057	.997794
34	.001355	.999149
35	.000549	.999699
36	.000203	.999902
37	.000068	.999970
38	.000021	.999991
39	.000006	.999996
40	.000001	.999998
41	.000000	.999998

p=.48

x	Individual Term	Cumulative (x or less)
7	.000000	.000000
8	.000002	.000002
9	.000008	.000010
10	.000029	.000039
11	.000098	.000137
12	.000293	.000430
13	.000791	.001221
14	.001930	.003152
15	.004276	.007428
16	.008635	.016063
17	.015942	.032005
18	.026978	.058983
19	.041942	.100924
20	.060009	.160933
21	.079132	.240066
22	.096287	.336353
23	.108202	.444555
24	.112364	.556918
25	.107869	.664787
26	.095742	.760529
27	.078557	.839087
28	.059565	.898652
29	.041712	.940364
30	.026952	.967316
31	.016051	.983367
32	.008797	.992164
33	.004429	.996593
34	.002044	.998637
35	.000863	.999500
36	.000332	.999832
37	.000116	.999948
38	.000037	.999984
39	.000010	.999995
40	.000003	.999997
41	.000001	.999998
42	.000000	.999998

p=.49

p=.50

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
8	.000001	.000001	8	.000000	.000001
9	.000004	.000005	9	.000002	.000003
10	.000016	.000022	10	.000009	.000012
11	.000038	.000079	11	.000033	.000045
12	.000180	.000259	12	.000108	.000153
13	.000504	.000763	13	.000315	.000468
14	.001281	.002044	14	.000833	.001301
15	.002953	.004997	15	.001999	.003300
16	.006206	.011203	16	.004373	.007673
17	.011925	.023128	17	.008746	.016420
18	.021006	.044134	18	.018035	.032454
19	.033991	.078124	19	.027006	.059460
20	.050619	.128744	20	.041859	.101320
21	.069478	.198221	21	.059799	.161119
22	.087992	.286214	22	.078826	.239944
23	.102920	.389134	23	.095962	.335906
24	.111245	.500378	24	.107957	.443863
25	.111157	.611536	25	.112275	.556138
26	.102691	.714227	26	.107957	.664095
27	.087701	.801928	27	.095962	.760057
28	.069215	.871143	28	.078826	.838883
29	.050449	.921591	29	.059799	.898681
30	.033929	.955521	30	.041859	.940541
31	.021031	.976552	31	.027006	.967547
32	.011998	.988550	32	.016035	.983581
33	.006288	.994837	33	.008746	.992328
34	.003021	.997858	34	.004373	.996701
35	.001327	.999185	35	.001999	.9998700
36	.000531	.999716	36	.000833	.999533
37	.000193	.999909	37	.000315	.999848
38	.000063	.999972	38	.000108	.999956
39	.000019	.999991	39	.000033	.999989
40	.000005	.999996	40	.000009	.999998
41	.000001	.999997	41	.000002	1.000001
42	.000000	.999997	42	.000000	1.000001

n=

55

## 50-100 BINOMIAL TABLES

p=.01

x	Individual Term	Cumulative (x or less)
0	.575355	.575355
1	.319642	.894996
2	.087175	.982171
3	.015556	.997728
4	.002043	.999771
5	.000210	.999981
6	.000018	.999999
7	.000001	1.000001
8	.000000	1.000001

p=.02

x	Individual Term	Cumulative (x or less)
0	.329181	.329181
1	.369488	.698669
2	.203596	.902265
3	.073405	.975670
4	.019475	.995145
5	.004054	.999199
6	.000689	.999988
7	.000098	.999987
8	.000012	.999999
9	.000001	1.000001
10	.000000	1.000001

p=.03

x	Individual Term	Cumulative (x or less)
0	.187260	.187260
1	.318535	.505796
2	.265994	.771789
3	.145337	.917126
4	.058434	.975560
5	.018434	.993994
6	.004751	.998745
7	.001029	.999774
8	.000191	.999965
9	.000031	.999995
10	.000004	1.000000
11	.000001	1.000001
12	.000000	1.000001

p=.04

x	Individual Term	Cumulative (x or less)
0	.105905	.105905
1	.242700	.348605
2	.273037	.621642
3	.200986	.822628
4	.108867	.931495
5	.046269	.977763
6	.016065	.993829
7	.004686	.998515
8	.001171	.999686
9	.000255	.999941
10	.000049	.999990
11	.000008	.999998
12	.000001	.999999
13	.000000	1.000000

p=.05

x	Individual Term	Cumulative (x or less)
0	.059539	.059539
1	.172349	.231887
2	.244916	.476803
3	.227729	.704533
4	.155815	.860347
5	.083648	.943995
6	.036688	.980683
7	.013517	.994199
8	.004268	.998468
9	.001173	.999641
10	.000284	.999925
11	.000061	.999986
12	.000012	.999998
13	.000002	1.000001
14	.000000	1.000001

p=.06

x	Individual Term	Cumulative (x or less)
0	.033268	.033268
1	.116793	.150062
2	.201282	.351344
3	.226978	.578321
4	.188343	.766664
5	.122623	.889288
6	.065225	.954513
7	.029143	.983696
8	.011161	.994817
9	.003720	.998538
10	.001092	.999630
11	.000285	.999915
12	.000067	.999982
13	.000014	.999996
14	.000003	.999999
15	.000000	1.000000

## 50-100 BINOMIAL TABLES

n=55

p=.07

x	Individual Term	Cumulative (x or less)
0	.018474	.018474
1	.076479	.094953
2	.155424	.250377
3	.206675	.457052
4	.202231	.659283
5	.155261	.814544
6	.097386	.911930
7	.051311	.963241
8	.023173	.986414
9	.009108	.995522
10	.003154	.998676
11	.000971	.999647
12	.000268	.999915
13	.000067	.999982
14	.000015	.999997
15	.000003	1.000000
16	.000001	1.000001
17	.000000	1.000001

p=.08

x	Individual Term	Cumulative (x or less)
0	.010194	.010194
1	.046752	.055946
2	.114462	.173408
3	.175840	.349248
4	.198776	.548024
5	.176306	.724330
6	.127758	.852088
7	.077766	.929853
8	.040573	.970427
9	.018425	.988851
10	.007370	.996221
11	.002622	.998843
12	.000836	.999679
13	.000240	.999919
14	.000063	.999982
15	.000015	.999997
16	.000003	1.000000
17	.000001	1.000001
18	.000000	1.000001

p=.09

x	Individual Term	Cumulative (x or less)
0	.005588	.005588
1	.030398	.035986
2	.081172	.117158
3	.141828	.258986
4	.182350	.441335
5	.183953	.625288
6	.151609	.776898
7	.104960	.881858
8	.062284	.944142
9	.032169	.976311
10	.014635	.990946
11	.005921	.996867
12	.002147	.999015
13	.000702	.999717
14	.000208	.999925
15	.000056	.999982
16	.000014	.999996
17	.000003	.999999
18	.000001	.999999
19	.000000	1.000000

p=.10

x	Individual Term	Cumulative (x or less)
0	.003043	.003043
1	.018598	.021641
2	.055793	.077434
3	.109520	.186954
4	.158195	.345148
5	.179288	.524436
6	.166007	.690443
7	.129117	.819559
8	.086078	.905637
9	.049946	.955583
10	.025528	.981111
11	.011604	.992715
12	.004727	.997443
13	.001737	.999180
14	.000579	.999759
15	.000176	.999935
16	.000049	.999984
17	.000012	.999996
18	.000003	.999999
19	.000001	1.000000
20	.000000	1.000000

p=.11

x	Individual Term	Cumulative (x or less)
0	.001646	.001646
1	.011190	.012836
2	.037341	.050176
3	.081534	.131711
4	.131004	.262715
5	.165154	.427868
6	.170102	.597970
7	.147167	.745137
8	.109135	.854272
9	.070440	.924712
10	.040048	.964760
11	.020249	.985009
12	.009177	.994186
13	.003752	.997937
14	.001391	.999328
15	.000470	.999798
16	.000145	.999943
17	.000041	.999984
18	.000011	.999995
19	.000003	.999998
20	.000001	.999998
21	.000000	.999998

p=.12

x	Individual Term	Cumulative (x or less)
0	.000884	.000884
1	.006631	.007516
2	.024416	.031931
3	.058820	.090751
4	.104272	.195023
5	.145032	.340055
6	.164809	.504864
7	.157318	.662182
8	.128715	.790897
9	.091660	.882557
10	.057496	.940053
11	.032074	.972127
12	.016037	.988164
13	.007234	.995398
14	.002959	.998357
15	.001103	.999460
16	.000376	.999836
17	.000118	.999954
18	.000034	.999988
19	.000009	.999997
20	.000002	.999999
21	.000001	.999999
22	.000000	.999999

n=

55

## 50-100 BINOMIAL TABLES

p=.13

x	Individual Term	Cumulative (x or less)
0	.000472	.000472
1	.003876	.004347
2	.015636	.019984
3	.041277	.061261
4	.080183	.141444
5	.122209	.263653
6	.152176	.415829
7	.159173	.575002
8	.142707	.717708
9	.111359	.829067
10	.076543	.905610
11	.046790	.952400
12	.025636	.978035
13	.012671	.990706
14	.005680	.996386
15	.002320	.998705
16	.000867	.999572
17	.000297	.999869
18	.000094	.999963
19	.000027	.999990
20	.000007	.999997
21	.000002	.999999
22	.000000	1.000000

p=.14

x	Individual Term	Cumulative (x or less)
0	.000250	.000250
1	.002236	.002485
2	.009827	.012312
3	.028261	.040573
4	.059808	.100380
5	.099309	.199689
6	.134721	.334410
7	.153519	.487930
8	.149949	.637879
9	.127476	.765355
10	.095459	.860814
11	.063572	.924386
12	.037946	.962332
13	.020433	.982764
14	.009979	.992743
15	.004440	.997183
16	.001807	.998990
17	.000675	.999665
18	.000232	.999897
19	.000074	.999971
20	.000022	.999992
21	.000006	.999998
22	.000001	.999999
23	.000000	1.000000

p=.15

x	Individual Term	Cumulative (x or less)
0	.000131	.000131
1	.001274	.001405
2	.006069	.007474
3	.018921	.026395
4	.043407	.069801
5	.078132	.147933
6	.114900	.262832
7	.141935	.404767
8	.150284	.555051
9	.138497	.693547
10	.112427	.805974
11	.081164	.887138
12	.052518	.939656
13	.030655	.970311
14	.016229	.986540
15	.007828	.994368
16	.003454	.997822
17	.001398	.999220
18	.000521	.999741
19	.000179	.999920
20	.000057	.999977
21	.000017	.999993
22	.000005	.999998
23	.000001	.999999
24	.000000	.999999
25	.000000	1.000000

## 50-100 BINOMIAL TABLES

n=

55

p=.16

p=.17

p=.18

x	Individual Term	Cumulative (x or less)
0	.000068	.000068
1	.000717	.000786
2	.003688	.004473
3	.012410	.016885
4	.030729	.047612
5	.059702	.107314
6	.094765	.202079
7	.126353	.328432
8	.144404	.472836
9	.143640	.616476
10	.125836	.742331
11	.098069	.840401
12	.068493	.908694
13	.043153	.952047
14	.024659	.976706
15	.012838	.989544
16	.006113	.995657
17	.002671	.998329
18	.001074	.999403
19	.000398	.999802
20	.000137	.999938
21	.000043	.999982
22	.000013	.999994
23	.000003	.999998
24	.000001	.999999
25	.000000	.999999

x	Individual Term	Cumulative (x or less)
0	.000035	.000035
1	.000399	.000434
2	.002207	.002641
3	.007985	.010627
4	.021262	.031888
5	.044419	.076308
6	.075816	.152124
7	.108701	.260825
8	.133584	.394409
9	.142883	.537292
10	.134620	.671912
11	.112798	.784709
12	.084711	.859420
13	.057390	.926811
14	.035264	.962074
15	.019742	.981817
16	.010109	.991925
17	.004750	.996675
18	.002054	.998729
19	.000819	.999549
20	.000302	.999851
21	.000103	.999954
22	.000033	.999986
23	.000010	.999996
24	.000003	.999998
25	.000001	.999999
26	.000000	.999999

x	Individual Term	Cumulative (x or less)
0	.000018	.000018
1	.000220	.000238
2	.001301	.001539
3	.005047	.006586
4	.014402	.020988
5	.032246	.053234
6	.058987	.112221
7	.090639	.202860
8	.119378	.322238
9	.136848	.459085
10	.138183	.597268
11	.124089	.721356
12	.099876	.821232
13	.072518	.893750
14	.047756	.941506
15	.028653	.970159
16	.015724	.985884
17	.007919	.993802
18	.003670	.997472
19	.001569	.999041
20	.000620	.999660
21	.000227	.999887
22	.000077	.999964
23	.000024	.999988
24	.000007	.999995
25	.000002	.999997
26	.000000	.999998

n=

55

## 50-100 BINOMIAL TABLES

p=.19

x	Individual Term	Cumulative (x or less)
0	.000009	.000009
1	.000119	.000129
2	.000757	.000885
3	.003136	.004021
4	.009563	.013584
5	.022879	.036463
6	.044723	.081186
7	.073434	.154620
8	.103352	.257972
9	.126602	.384574
10	.136605	.521179
11	.131086	.652264
12	.112744	.765009
13	.087476	.852485
14	.061557	.914042
15	.039467	.953509
16	.023145	.976654
17	.012455	.989109
18	.006168	.995276
19	.002817	.998093
20	.001190	.999283
21	.000465	.999748
22	.000169	.999916
23	.000057	.999973
24	.000018	.999991
25	.000005	.999996
26	.000001	.999997
27	.000000	.999998

p=.20

x	Individual Term	Cumulative (x or less)
0	.000005	.000005
1	.000064	.000069
2	.000434	.000503
3	.001917	.002420
4	.006231	.008651
5	.015888	.024539
6	.033100	.057639
7	.057926	.115565
8	.086888	.202453
9	.113438	.315891
10	.130453	.446344
11	.133418	.579762
12	.122300	.702062
13	.101133	.803195
14	.075849	.879044
15	.051830	.930875
16	.032394	.963269
17	.018579	.981848
18	.009806	.991653
19	.004774	.996427
20	.002148	.998575
21	.000895	.999470
22	.000346	.999816
23	.000124	.999940
24	.000041	.999981
25	.000013	.999994
26	.000004	.999998
27	.000001	.999999
28	.000000	.999999

p=.21

x	Individual Term	Cumulative (x or less)
0	.000002	.000002
1	.000034	.000037
2	.000246	.000282
3	.001154	.001436
4	.003987	.005423
5	.010811	.016235
6	.023949	.040184
7	.044563	.084747
8	.071075	.155822
9	.098666	.234488
10	.120647	.375135
11	.131199	.506334
12	.127877	.634211
13	.112437	.746648
14	.089665	.836313
15	.065149	.901462
16	.043295	.944758
17	.026403	.971160
18	.014817	.985977
19	.007670	.993647
20	.003670	.997317
21	.001626	.998943
22	.000668	.999611
23	.000255	.999866
24	.000090	.999956
25	.000030	.999986
26	.000009	.999995
27	.000003	.999997
28	.000001	.999998
29	.000000	.999998

## 50-100 BINOMIAL TABLES

n=

55

p=.22

p=.23

p=.24

x	Individual Term	Cumulative (x or less)
0	.000001	.000001
1	.000018	.000019
2	.000137	.000156
3	.000684	.000840
4	.002508	.003349
5	.007216	.010564
6	.016960	.027524
7	.033484	.061008
8	.056666	.117674
9	.083465	.201139
10	.108290	.309429
11	.124950	.434379
12	.129222	.563601
13	.120556	.684158
14	.102009	.786167
15	.078643	.864810
16	.055453	.920263
17	.035882	.956145
18	.021365	.977510
19	.011735	.989245
20	.005958	.995203
21	.002801	.998004
22	.001221	.999225
23	.000494	.999719
24	.000186	.999904
25	.000065	.999969
26	.000021	.999990
27	.000006	.999997
28	.000002	.999999
29	.000000	.999999

x	Individual Term	Cumulative (x or less)
0	.000001	.000001
1	.000009	.000010
2	.000076	.000086
3	.000400	.000485
4	.001552	.002037
5	.004727	.006764
6	.011767	.018531
7	.024603	.043134
8	.044094	.087228
9	.068781	.156009
10	.094508	.250517
11	.115484	.366001
12	.126483	.492484
13	.124967	.617451
14	.111983	.729434
15	.091429	.820863
16	.068275	.889137
17	.046786	.935923
18	.029503	.965425
19	.017161	.982586
20	.009227	.991813
21	.004593	.996407
22	.002120	.998527
23	.000909	.999436
24	.000362	.999798
25	.000134	.999932
26	.000046	.999978
27	.000015	.999993
28	.000004	.999998
29	.000001	.999999
30	.000000	.999999

x	Individual Term	Cumulative (x or less)
0	.000000	.000000
1	.000005	.000005
2	.000041	.000046
3	.000230	.000276
4	.000944	.001221
5	.003042	.004263
6	.008005	.012268
7	.017696	.029964
8	.033529	.063493
9	.053294	.118787
10	.080321	.199108
11	.103764	.302872
12	.120148	.423020
13	.125499	.548518
14	.118893	.667412
15	.102624	.770035
16	.081019	.851054
17	.058695	.909749
18	.039130	.948878
19	.024063	.972942
20	.013678	.986620
21	.007199	.993819
22	.003513	.997332
23	.001592	.998924
24	.000670	.999594
25	.000262	.999857
26	.000096	.999952
27	.000032	.999985
28	.000010	.999995
29	.000003	.999998
30	.000001	.999999
31	.000000	.999999

n=

55

## 50-100 BINOMIAL TABLES

p=.25

x	Individual Term	Cumulative (x or less)
1	.000002	.000003
2	.000022	.000025
3	.000131	.000155
4	.000566	.000721
5	.001924	.002645
6	.005344	.007989
7	.012470	.020459
8	.024940	.045399
9	.043414	.088813
10	.066568	.155380
11	.090774	.246154
12	.110946	.357100
13	.122325	.479425
14	.122325	.601749
15	.111452	.713201
16	.092876	.806077
17	.071023	.877100
18	.049979	.927079
19	.032443	.959522
20	.019466	.978988
21	.010814	.989802
22	.005571	.995373
23	.002564	.998037
24	.001184	.999221
25	.000489	.999711
26	.000188	.999899
27	.000067	.999967
28	.000022	.999989
29	.000007	.999996
30	.000002	.999998
31	.000001	.999999
32	.000000	.999999

p=.26

x	Individual Term	Cumulative (x or less)
1	.000001	.000001
2	.000012	.000013
3	.000073	.000086
4	.000334	.000420
5	.001196	.001616
6	.003503	.005119
7	.008615	.013735
8	.018162	.031897
9	.033325	.065222
10	.053860	.119082
11	.077416	.196498
12	.099734	.296231
13	.115907	.412138
14	.122172	.534309
15	.117329	.651638
16	.103059	.754697
17	.083070	.837767
18	.061616	.899384
19	.042159	.941542
20	.026662	.968205
21	.015613	.983818
22	.008478	.992296
23	.004274	.996570
24	.002002	.998372
25	.000872	.999444
26	.000354	.999798
27	.000133	.999931
28	.000047	.999978
29	.000015	.999993
30	.000005	.999998
31	.000001	.999999
32	.000000	1.000000

p=.27

x	Individual Term	Cumulative (x or less)
1	.000001	.000001
2	.000006	.000007
3	.000040	.000047
4	.000194	.000241
5	.000732	.000973
6	.002256	.003228
7	.005840	.009068
8	.012959	.022027
9	.025031	.047058
10	.042587	.089644
11	.064437	.154081
12	.087387	.241468
13	.106908	.348376
14	.118624	.467000
15	.119294	.586924
16	.110889	.697812
17	.094090	.791902
18	.073468	.865370
19	.052916	.918286
20	.035229	.953514
21	.021716	.975231
22	.012413	.987644
23	.006587	.994231
24	.003249	.997480
25	.001490	.998970
26	.000636	.999606
27	.000253	.999858
28	.000093	.999952
29	.000032	.999984
30	.000010	.999994
31	.000003	.999997
32	.000001	.999998
33	.000000	.999998
34	.000000	.999999

## 50-100 BINOMIAL TABLES

n=55

p=.28

x	Individual Term	Cumulative (x or less)
1	.000000	.000000
2	.000003	.000004
3	.000022	.000025
4	.000111	.000136
5	.000440	.000577
6	.001427	.002004
7	.003885	.005889
8	.009065	.014955
9	.018410	.033365
10	.032934	.066299
11	.052395	.118695
12	.074712	.193407
13	.096104	.289511
14	.112121	.401632
15	.119181	.520813
16	.115870	.636683
17	.103374	.740057
18	.084869	.824926
19	.064272	.889198
20	.044990	.934189
21	.029161	.963349
22	.017526	.980875
23	.009779	.990654
24	.005071	.995724
25	.002445	.998169
26	.001097	.999267
27	.000458	.999725
28	.000178	.999903
29	.000065	.999968
30	.000022	.999989
31	.000007	.999996
32	.000002	.999998
33	.000001	.999999
34	.000000	.999999

p=.29

x	Individual Term	Cumulative (x or less)
2	.000002	.000002
3	.000012	.000014
4	.000063	.000076
5	.000261	.000337
6	.000888	.001225
7	.002538	.003763
8	.006220	.009983
9	.013268	.023252
10	.024929	.048181
11	.041655	.089836
12	.062385	.152222
13	.084284	.236506
14	.103278	.339784
15	.115303	.455086
16	.117739	.572825
17	.110325	.683150
18	.095152	.778281
19	.075668	.853949
20	.055632	.909581
21	.037872	.947453
22	.023906	.971359
23	.014010	.985369
24	.007630	.992998
25	.003864	.996863
26	.001821	.998684
27	.000799	.999483
28	.000326	.999809
29	.000124	.999933
30	.000044	.999977
31	.000014	.999992
32	.000004	.999996
33	.000001	.999997
34	.000000	.999998

p=.30

x	Individual Term	Cumulative (x or less)
2	.000001	.000001
3	.000006	.000007
4	.000035	.000042
5	.000152	.000194
6	.000543	.000737
7	.001629	.002366
8	.004189	.006554
9	.009375	.015929
10	.018481	.034410
11	.032402	.066812
12	.050918	.117730
13	.072180	.189910
14	.092803	.282713
15	.108712	.391425
16	.116477	.507902
17	.114519	.622421
18	.103613	.726034
19	.086474	.812507
20	.066708	.879216
21	.047649	.926864
22	.031560	.958424
23	.019406	.977830
24	.011089	.988919
25	.005893	.994813
26	.002914	.997727
27	.001341	.999068
28	.000575	.999643
29	.000229	.999873
30	.000085	.999958
31	.000029	.999987
32	.000009	.999997
33	.000003	1.000000
34	.000001	1.000001
35	.000000	1.000001

n=

55

## 50-100 BINOMIAL TABLES

p=.31

p=.32

p=.33

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
3	.000003	.000004	3	.000002	.000002	3	.000001	.000001
4	.000019	.000023	4	.000010	.000012	4	.000005	.000006
5	.000087	.000110	5	.000049	.000061	5	.000027	.000034
6	.000327	.000437	6	.000193	.000255	6	.000112	.000146
7	.001027	.001464	7	.000637	.000891	7	.000388	.000534
8	.002769	.004233	8	.001797	.002688	8	.001146	.001680
9	.006496	.010729	9	.004417	.007105	9	.002947	.004627
10	.013426	.024154	10	.009561	.016666	10	.006677	.011305
11	.024675	.048830	11	.018406	.035073	11	.013455	.024759
12	.040649	.089479	12	.031760	.066833	12	.024299	.049058
13	.060407	.149885	13	.049436	.116269	13	.039586	.088644
14	.081418	.231303	14	.069792	.186061	14	.058493	.147137
15	.099983	.331286	15	.089772	.275834	15	.078747	.225885
16	.112299	.443585	16	.105614	.381448	16	.096965	.322850
17	.115746	.559331	17	.114020	.495468	17	.105565	.432414
18	.105781	.669113	18	.113275	.608742	18	.113925	.546340
19	.096048	.765161	19	.103806	.712548	19	.109272	.655611
20	.077674	.842835	20	.087930	.800477	20	.096877	.752488
21	.058162	.900996	21	.068964	.869442	21	.079526	.832013
22	.040384	.941380	22	.050156	.919598	22	.060534	.892548
23	.026032	.967411	23	.033865	.953462	23	.042779	.935326
24	.015594	.983005	24	.021249	.974711	24	.028093	.963420
25	.008687	.991693	25	.012399	.987110	25	.017158	.980578
26	.004503	.996196	26	.006733	.993843	26	.009751	.990329
27	.002173	.998369	27	.003403	.997246	27	.005159	.995488
28	.000976	.999346	28	.001601	.998847	28	.002341	.998028
29	.000408	.999754	29	.000702	.999549	29	.001165	.999193
30	.000159	.999913	30	.000286	.999835	30	.000497	.999691
31	.000058	.999971	31	.000109	.999943	31	.000198	.999888
32	.000019	.999990	32	.000038	.999982	32	.000073	.999961
33	.000006	.999996	33	.000013	.999994	33	.000025	.999986
34	.000002	.999998	34	.000004	.999998	34	.000008	.999994
35	.000000	.999999	35	.000001	.999999	35	.000002	.999997
			36	.000000	1.000000	36	.000001	.999997
						37	.000000	.999998

## 50-100 BINOMIAL TABLES

n=

55

p=.34

p=.35

p=.36

x	Individual Term	Cumulative (x or less)
3	.000000	.000000
4	.000003	.000003
5	.000015	.000018
6	.000054	.000083
7	.000232	.000315
8	.000718	.001032
9	.001931	.002963
10	.004575	.007538
11	.009641	.017179
12	.018211	.035390
13	.031031	.066421
14	.047957	.114377
15	.067527	.181904
16	.086966	.268871
17	.102778	.371649
18	.111776	.483425
19	.112132	.595557
20	.103977	.699534
21	.089273	.788808
22	.071074	.859882
23	.052533	.912415
24	.036083	.948499
25	.023050	.971548
26	.013701	.985249
27	.007581	.992830
28	.003905	.996735
29	.001873	.998608
30	.000836	.999445
31	.000347	.999792
32	.000134	.999926
33	.000048	.999975
34	.000016	.999991
35	.000005	.999996
36	.000001	.999997
37	.000000	.999997

x	Individual Term	Cumulative (x or less)
4	.000001	.000002
5	.000008	.000010
6	.000036	.000046
7	.000137	.000183
8	.000442	.000624
9	.001242	.001866
10	.003075	.004941
11	.006774	.011715
12	.013375	.025090
13	.023821	.048912
14	.038481	.087392
15	.056636	.144028
16	.076240	.220269
17	.094179	.314448
18	.107059	.421506
19	.112260	.533766
20	.108806	.642572
21	.097646	.740218
22	.081258	.821476
23	.062778	.884254
24	.045071	.929325
25	.030094	.959419
26	.018697	.978116
27	.010814	.988929
28	.005823	.994752
29	.002919	.997671
30	.001362	.999033
31	.000592	.999625
32	.000239	.999864
33	.000090	.999954
34	.000031	.999985
35	.000010	.999995
36	.000003	.999998
37	.000001	.999999
38	.000000	.999999

x	Individual Term	Cumulative (x or less)
4	.000001	.000001
5	.000004	.000005
6	.000020	.000025
7	.000079	.000104
8	.000267	.000371
9	.000784	.001155
10	.002029	.003184
11	.004668	.007852
12	.009629	.017481
13	.017915	.035396
14	.030231	.065627
15	.046481	.112108
16	.065363	.177471
17	.084348	.261819
18	.100163	.361982
19	.109718	.471700
20	.111089	.582789
21	.104146	.686935
22	.090536	.777471
23	.073069	.850539
24	.054801	.905341
25	.038224	.943565
26	.024809	.968374
27	.014989	.983362
28	.008431	.991793
29	.004415	.996209
30	.002153	.998361
31	.000976	.999338
32	.000412	.999750
33	.000161	.999911
34	.000059	.999970
35	.000020	.999990
36	.000006	.999996
37	.000002	.999998
38	.000000	.999998

50-100 BINOMIAL TABLES

p=.37

x	Individual Term	Cumulative (x or less)
5	.000002	.000003
6	.000011	.000014
7	.000045	.000059
8	.000159	.000217
9	.000486	.000703
10	.001314	.002017
11	.003156	.005173
12	.006796	.011969
13	.013202	.025171
14	.023261	.048432
15	.037341	.085773
16	.054826	.140599
17	.073869	.214468
18	.091587	.306055
19	.104747	.410802
20	.110733	.521535
21	.108389	.629924
22	.098379	.728303
23	.082899	.811203
24	.064916	.876119
25	.047275	.923394
26	.032036	.955430
27	.020209	.975639
28	.011869	.987508
29	.006490	.993997
30	.003303	.997301
31	.001565	.998865
32	.000689	.999554
33	.000282	.999836
34	.000107	.999943
35	.000038	.999981
36	.000012	.999994
37	.000004	.999997
38	.000001	.999998
39	.000000	.999999

p=.38

x	Individual Term	Cumulative (x or less)
5	.000001	.000001
6	.000006	.000007
7	.000025	.000032
8	.000093	.000125
9	.000296	.000421
10	.000835	.001256
11	.002093	.003349
12	.004704	.008053
13	.009536	.017588
14	.017534	.035122
15	.029374	.064496
16	.045008	.109504
17	.063284	.172788
18	.081884	.254672
19	.097733	.352405
20	.107821	.460226
21	.110140	.570366
22	.104326	.674692
23	.091743	.766434
24	.074972	.841407
25	.056979	.898386
26	.040295	.938681
27	.026527	.965207
28	.016258	.981466
29	.009277	.990743
30	.004928	.995671
31	.002436	.998107
32	.001120	.999227
33	.000478	.999705
34	.000190	.999895
35	.000070	.999964
36	.000024	.999988
37	.000007	.999996
38	.000002	.999998
39	.000001	.999999
40	.000000	.999999

p=.39

x	Individual Term	Cumulative (x or less)
5	.000001	.000001
6	.000003	.000004
7	.000014	.000018
8	.000053	.000071
9	.000177	.000248
10	.000521	.000768
11	.001362	.002130
12	.003193	.005323
13	.006752	.012075
14	.012950	.025025
15	.022631	.047655
16	.036172	.083828
17	.053055	.136882
18	.071609	.208492
19	.089156	.297648
20	.102603	.400251
21	.109331	.509582
22	.108028	.617609
23	.099096	.716705
24	.084475	.801180
25	.066971	.868151
26	.049405	.917556
27	.033926	.951482
28	.021691	.973173
29	.012911	.986084
30	.007154	.993238
31	.003689	.996927
32	.001769	.998696
33	.000788	.999484
34	.000326	.999810
35	.000125	.999935
36	.000044	.999979
37	.000015	.999994
38	.000004	.999998
39	.000001	1.000000
40	.000000	1.000000
41	.000000	1.000001

## 50-100 BINOMIAL TABLES

n=

55

p=.40

p=.41

p=.42

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
5	.000000	.000000	6	.000001	.000001	6	.000000	.000000
6	.000002	.000002	7	.000004	.000005	7	.000002	.000003
7	.000007	.000009	8	.000017	.000021	8	.000009	.000012
8	.000030	.000039	9	.000060	.000081	9	.000034	.000045
9	.000104	.000143	10	.000192	.000273	10	.000113	.000158
10	.000319	.000462	11	.000545	.000817	11	.000335	.000493
11	.000869	.001331	12	.001388	.002205	12	.000888	.001381
12	.002125	.003457	13	.003189	.005394	13	.002128	.003509
13	.004687	.008143	14	.006649	.012043	14	.004623	.008132
14	.009373	.017516	15	.012629	.024672	15	.009149	.017281
15	.017080	.034596	16	.021940	.046613	16	.016564	.033845
16	.028467	.063063	17	.034978	.081591	17	.027517	.061361
17	.043537	.106600	18	.051314	.132905	18	.042065	.103427
18	.061274	.167874	19	.069441	.202346	19	.059319	.162746
19	.079549	.247423	20	.086860	.289206	20	.077319	.240066
20	.095459	.342882	21	.106061	.389807	21	.093317	.333382
21	.106065	.448947	22	.108041	.497848	22	.104433	.437815
22	.109279	.558227	23	.107723	.605570	23	.108504	.546319
23	.104528	.662755	24	.099811	.705381	24	.104762	.651081
24	.092914	.755668	25	.086006	.791387	25	.094069	.745150
25	.076809	.832477	26	.068962	.860350	26	.078599	.823749
26	.059084	.891561	27	.051473	.911822	27	.061132	.884881
27	.042307	.933868	28	.035769	.947591	28	.044268	.929149
28	.028205	.962072	29	.023142	.970734	29	.029846	.958995
29	.017506	.979579	30	.013938	.984671	30	.018731	.977726
30	.010115	.989693	31	.007811	.992482	31	.010938	.988664
31	.005438	.995131	32	.004071	.996553	32	.005941	.994605
32	.002719	.997850	33	.001972	.998525	33	.002998	.997603
33	.001263	.999114	34	.000887	.999411	34	.001405	.999008
34	.000545	.999659	35	.000370	.999781	35	.000610	.999618
35	.000218	.999877	36	.000143	.999924	36	.000246	.999864
36	.000081	.999957	37	.000051	.999975	37	.000091	.999955
37	.000028	.999985	38	.000017	.999991	38	.000031	.999987
38	.000009	.999994	39	.000005	.999997	39	.000010	.999996
39	.000003	.999996	40	.000001	.999998	40	.000003	.999999
40	.000001	.999997	41	.000000	.999998	41	.000001	1.000001
41	.000000	.999997				42	.000000	1.000001

**n=**  
**55**

**50-100 BINOMIAL TABLES**

<b>p=.43</b>			<b>p=.44</b>			<b>p=.45</b>		
<b>x</b>	Individual Term	Cumulative (x or less)	<b>x</b>	Individual Term	Cumulative (x or less)	<b>x</b>	Individual Term	Cumulative (x or less)
7	.000001	.000001	7	.000001	.000001	8	.000001	.000002
8	.000005	.000006	8	.000003	.000003	9	.000005	.000007
9	.000019	.000025	9	.000010	.000013	10	.000021	.000028
10	.000065	.000090	10	.000037	.000050	11	.000069	.000097
11	.000202	.000292	11	.000119	.000170	12	.000207	.000304
12	.000558	.000850	12	.000343	.000513	13	.000561	.000865
13	.001392	.002241	13	.000892	.001405	14	.001376	.002241
14	.003150	.005391	14	.002103	.003509	15	.003078	.005319
15	.006495	.011886	15	.004517	.008025	16	.006295	.011614
16	.012249	.024134	16	.008873	.016898	17	.011816	.023430
17	.021198	.045433	17	.015993	.032891	18	.020410	.043841
18	.033760	.079093	18	.026528	.059419	19	.032520	.076360
19	.049596	.128689	19	.040590	.100010	20	.047892	.124253
20	.067346	.196035	20	.057406	.157416	21	.065308	.189561
21	.084675	.280709	21	.075175	.232590	22	.082580	.272140
22	.098720	.379429	22	.091284	.323874	23	.096941	.369081
23	.106852	.486281	23	.102907	.426780	24	.105754	.474835
24	.107477	.593758	24	.107807	.534587	25	.107292	.582128
25	.100538	.694296	25	.105035	.639622	26	.101290	.683417
26	.087513	.781809	26	.095224	.734845	27	.089012	.772429
27	.070909	.852718	27	.080361	.815206	28	.072828	.845258
28	.053493	.906211	28	.063141	.878347	29	.055477	.900735
29	.037571	.943782	29	.046189	.924536	30	.039338	.940073
30	.024564	.968346	30	.031453	.955988	31	.025956	.966030
31	.014944	.983290	31	.019930	.975918	32	.015928	.981957
32	.008455	.991745	32	.011744	.987662	33	.009083	.991040
33	.004446	.996191	33	.006431	.994093	34	.004809	.995849
34	.002170	.998361	34	.003270	.997363	35	.002361	.998209
35	.000982	.999343	35	.001541	.998904	36	.001073	.999282
36	.000412	.999755	36	.000673	.999577	37	.000451	.999733
37	.000159	.999914	37	.000271	.999849	38	.000175	.999908
38	.000057	.999971	38	.000101	.999950	39	.000062	.999970
39	.000019	.999990	39	.000035	.999984	40	.000020	.999990
40	.000006	.999996	40	.000011	.999995	41	.000006	.999997
41	.000002	.999997	41	.000003	.999998	42	.000002	.999998
42	.000000	.999998	42	.000001	.999999	43	.000000	.999999
			43	.000000	.999999			

50-100 BINOMIAL TABLES

n-  
55

p=.46

p=.47

p=.48

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
9	.000001	.000001	9	.000001	.000002	8	.000001	.000001
10	.000003	.000004	10	.000006	.000008	9	.000003	.000004
11	.000012	.000016	11	.000022	.000030	10	.000011	.000015
12	.000040	.000056	12	.000071	.000101	11	.000039	.000054
13	.000123	.000179	13	.000208	.000309	12	.000123	.000177
14	.000341	.000520	14	.000554	.000863	13	.000345	.000522
15	.000860	.001380	15	.001343	.002206	14	.000882	.001404
16	.001984	.003363	16	.002977	.005183	15	.002054	.003458
17	.004201	.007564	17	.006057	.011240	16	.004375	.007833
18	.008186	.015750	18	.011339	.022579	17	.008549	.016383
19	.014715	.030465	19	.019581	.042160	18	.015375	.031758
20	.024449	.054914	20	.031256	.073416	19	.025505	.057262
21	.037614	.092528	21	.046196	.119612	20	.039108	.096370
22	.053659	.146187	22	.063312	.182924	21	.055523	.151893
23	.071067	.217255	23	.080555	.263479	22	.073096	.224989
24	.087467	.304722	24	.095247	.358726	23	.089340	.314329
25	.100116	.404838	25	.104736	.463462	24	.101472	.415801
26	.106633	.511471	26	.107168	.570630	25	.107184	.522985
27	.105721	.617192	27	.102076	.672706	26	.105352	.628337
28	.097589	.714781	28	.090520	.763226	27	.096392	.724729
29	.083869	.798651	29	.074736	.837962	28	.082112	.806841
30	.067096	.865746	30	.057439	.895401	29	.065123	.871965
31	.049947	.915693	31	.041078	.936479	30	.048079	.920043
32	.034579	.950272	32	.027321	.963799	31	.033029	.953072
33	.022246	.972519	33	.016886	.980685	32	.021102	.974174
34	.013287	.985806	34	.009689	.990374	33	.012528	.986702
35	.007359	.993165	35	.005155	.995530	34	.006906	.993608
36	.003774	.996939	36	.002540	.998070	35	.003530	.997138
37	.001789	.998728	37	.001157	.999226	36	.001670	.998808
38	.000782	.999510	38	.000486	.999712	37	.000731	.999539
39	.000315	.999825	39	.000188	.999900	38	.000295	.999834
40	.000116	.999941	40	.000067	.999966	39	.000109	.999943
41	.000039	.999981	41	.000022	.999988	40	.000037	.999980
42	.000012	.999993	42	.000006	.999994	41	.000012	.999992
43	.000003	.999996	43	.000002	.999996	42	.000003	.999995
44	.000001	.999997	44	.000000	.999996	43	.000001	.999996
45	.000000	.999997	45	.000000	.999997	44	.000000	.999996

## 50-100 BINOMIAL TABLES

n=

60

p=.49

p=.50

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
10	.000002	.000002	10	.000001	.000001
11	.000006	.000008	11	.000003	.000004
12	.000022	.000031	12	.000012	.000017
13	.000071	.000102	13	.000040	.000057
14	.000205	.000307	14	.000121	.000178
15	.000539	.000846	15	.000330	.000508
16	.001294	.002139	16	.000826	.001334
17	.002852	.004991	17	.001894	.003228
18	.005784	.010775	18	.003999	.007227
19	.010822	.021597	19	.007788	.015015
20	.018715	.040312	20	.014018	.029032
21	.029969	.070281	21	.023363	.052395
22	.044500	.114781	22	.036106	.088501
23	.061343	.176125	23	.051804	.140305
24	.078584	.254708	24	.069072	.209377
25	.093623	.348331	25	.085650	.295027
26	.103790	.452120	26	.098827	.393854
27	.107106	.559226	27	.106147	.500001
28	.102906	.662132	28	.106147	.606148
29	.092052	.754183	29	.098827	.704974
30	.076649	.830833	30	.085650	.790624
31	.059390	.890223	31	.069072	.859696
32	.042796	.933019	32	.051804	.911500
33	.028658	.961676	33	.036106	.947606
34	.017816	.979492	34	.023363	.970969
35	.010270	.989763	35	.014018	.984987
36	.005482	.995245	36	.007788	.992774
37	.002705	.997949	37	.003999	.996773
38	.001231	.999180	38	.001894	.998668
39	.000516	.999696	39	.000826	.999493
40	.000198	.999894	40	.000330	.999824
41	.000070	.999963	41	.000121	.999944
42	.000022	.999986	42	.000040	.999985
43	.000006	.999992	43	.000012	.999997
44	.000002	.999994	44	.000003	1.000001
45	.000000	.999994	45	.000001	1.000002
			46	.000000	1.000002

50-100 BINOMIAL TABLES

II=

60

**p=.01**

x	Individual Term	Cumulative (x or less)
0	.547157	.547157
1	.331610	.878767
2	.098813	.977580
3	.019297	.996877
4	.002778	.999654
5	.000314	.999968
6	.000029	.999998
7	.000002	1.000000
8	.000000	1.000001

**p=.02**

x	Individual Term	Cumulative (x or less)
0	.297553	.297553
1	.364351	.661904
2	.219354	.881258
3	.086548	.967806
4	.025170	.992976
5	.005753	.998729
6	.001076	.999805
7	.000169	.999974
8	.000023	.999997
9	.000003	1.000000
10	.000000	1.000001

**p=.03**

x	Individual Term	Cumulative (x or less)
0	.160807	.160807
1	.298404	.459211
2	.272255	.731466
3	.162792	.894258
4	.071746	.966004
5	.024852	.990856
6	.007046	.997902
7	.001681	.999583
8	.000344	.999927
9	.000062	.999989
10	.000010	.999998
11	.000001	1.000000
12	.000000	1.000000

**p=.04**

x	Individual Term	Cumulative (x or less)
0	.086352	.086352
1	.215881	.302233
2	.265354	.567587
3	.213757	.781344
4	.126918	.908262
5	.059228	.967490
6	.022622	.990112
7	.007271	.997384
8	.002007	.999391
9	.000483	.999874
10	.000103	.999977
11	.000019	.999996
12	.000003	.999999
13	.000001	1.000000
14	.000000	1.000001

**p=.05**

x	Individual Term	Cumulative (x or less)
0	.046070	.046070
1	.145484	.191553
2	.225882	.417436
3	.229845	.647281
4	.172384	.819665
5	.101616	.921281
6	.049025	.970306
7	.019905	.990211
8	.006941	.997151
9	.002111	.999262
10	.000567	.999829
11	.000136	.999964
12	.000029	.999993
13	.000006	.999999
14	.000001	1.000000
15	.000000	1.000001

**p=.06**

x	Individual Term	Cumulative (x or less)
0	.024416	.024416
1	.093507	.117923
2	.176072	.293996
3	.217281	.511277
4	.197633	.708910
5	.141287	.850196
6	.082668	.932864
7	.040706	.973570
8	.017213	.990783
9	.006348	.997131
10	.002067	.999198
11	.000600	.999798
12	.000156	.999954
13	.000037	.999991
14	.000008	.999999
15	.000002	1.000001
16	.000000	1.000001

50-100 BINOMIAL TABLES

**n=**

**60**

**p=.07**

x	Individual Term	Cumulative (x or less)
0	.012852	.012852
1	.058042	.070894
2	.128878	.199773
3	.187543	.387316
4	.201155	.588472
5	.169576	.758048
6	.117002	.875049
7	.067936	.942986
8	.033877	.976863
9	.014733	.991595
10	.005655	.997251
11	.001935	.999185
12	.000595	.999780
13	.000165	.999945
14	.000042	.999987
15	.000010	.999997
16	.000002	.999999
17	.000000	.999999

**p=.08**

x	Individual Term	Cumulative (x or less)
0	.006718	.006718
1	.035053	.041771
2	.089918	.131689
3	.151167	.282856
4	.187315	.470171
5	.182429	.652600
6	.145414	.798014
7	.097545	.895558
8	.056194	.951753
9	.028233	.979986
10	.012521	.992506
11	.004949	.997455
12	.001757	.999212
13	.000564	.999777
14	.000165	.999941
15	.000044	.999985
16	.000011	.999996
17	.000002	.999998
18	.000001	.999999
19	.000000	.999999

**p=.09**

x	Individual Term	Cumulative (x or less)
0	.003487	.003487
1	.020694	.024181
2	.060375	.084556
3	.115443	.199999
4	.162698	.362697
5	.180219	.542917
6	.163386	.706302
7	.124655	.830958
8	.081677	.912634
9	.046672	.959307
10	.023541	.982848
11	.010585	.993431
12	.004274	.997705
13	.001561	.999265
14	.000518	.999784
15	.000157	.999941
16	.000044	.999985
17	.000011	.999996
18	.000003	.999998
19	.000001	.999999
20	.000000	.999999

**p=.10**

x	Individual Term	Cumulative (x or less)
0	.001797	.001797
1	.011980	.013777
2	.039268	.053045
3	.084353	.137399
4	.133560	.270958
5	.166207	.437166
6	.169285	.606451
7	.145102	.751553
8	.106811	.858364
9	.068570	.926934
10	.038856	.965790
11	.019624	.985414
12	.008904	.994318
13	.003653	.997971
14	.001363	.999333
15	.000464	.999798
16	.000145	.999943
17	.000042	.999985
18	.000011	.999996
19	.000003	.999998
20	.000001	.999999
21	.000000	.999999

**p=.11**

x	Individual Term	Cumulative (x or less)
0	.000919	.000919
1	.006816	.007736
2	.024835	.032989
3	.059387	.091975
4	.104594	.196569
5	.144786	.341355
6	.164036	.505391
7	.156401	.661792
8	.128054	.789856
9	.091451	.881307
10	.057645	.938952
11	.032385	.971337
12	.016344	.987681
13	.007459	.995140
14	.003095	.998235
15	.001173	.999408
16	.000408	.999816
17	.000130	.999946
18	.000039	.999985
19	.000011	.999995
20	.000003	.999998
21	.000001	.999998
22	.000000	.999998

**p=.12**

x	Individual Term	Cumulative (x or less)
0	.000467	.000467
1	.003818	.004284
2	.015358	.019642
3	.040489	.060131
4	.078677	.138808
5	.120162	.258970
6	.150202	.409172
7	.158005	.567177
8	.142743	.709920
9	.112464	.822384
10	.078214	.900598
11	.048480	.949077
12	.026994	.976072
13	.013592	.989663
14	.006222	.995885
15	.002602	.998487
16	.000998	.999485
17	.000352	.999837
18	.000115	.999952
19	.000035	.999987
20	.000010	.999996
21	.000003	.999999
22	.000001	.999999
23	.000000	.999999

## 50-100 BINOMIAL TABLES

n=

60

p=.13

p=.14

p=.15

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
0	.000235	.000235	0	.000117	.000117	0	.000058	.000058
1	.002107	.002342	1	.001147	.001265	1	.000617	.000675
2	.009289	.011632	2	.005510	.006775	2	.003210	.003864
3	.026835	.038467	3	.017341	.024116	3	.010590	.014835
4	.057141	.095608	4	.040227	.064343	4	.027537	.042372
5	.095629	.191236	5	.073345	.137687	5	.054426	.096799
6	.130986	.322222	6	.109448	.247136	6	.088043	.184841
7	.150988	.473210	7	.137447	.384582	7	.119857	.304698
8	.149470	.622580	8	.148234	.532817	8	.140127	.444825
9	.129044	.751724	9	.139425	.672241	9	.142874	.587699
10	.098340	.850064	10	.115755	.787996	10	.128587	.716286
11	.066793	.916858	11	.085654	.873650	11	.103145	.819430
12	.040754	.957612	12	.056936	.930586	12	.074325	.893755
13	.022485	.980097	13	.034223	.964809	13	.048429	.942184
14	.011279	.991376	14	.018703	.983512	14	.028691	.970875
15	.005169	.996545	15	.009337	.992849	15	.015527	.986402
16	.002172	.998717	16	.004275	.997124	16	.007706	.994108
17	.000840	.999557	17	.001801	.998926	17	.003520	.997628
18	.000300	.999857	18	.000700	.999626	18	.001484	.999112
19	.000099	.999956	19	.000232	.999878	19	.000579	.999691
20	.000030	.999987	20	.000084	.999962	20	.000209	.999900
21	.000009	.999995	21	.000026	.999989	21	.000070	.999970
22	.000002	.999998	22	.000008	.999996	22	.000022	.999992
23	.000001	.999998	23	.000002	.999998	23	.000006	.999999
24	.000000	.999998	24	.000001	.999999	24	.000002	1.000002
			25	.000000	.999999	25	.000000	1.000002

## 50-100 BINOMIAL TABLES

**n=****60****p=.16****p=.17****p=.18**

x	Individual Term	Cumulative (x or less)
0	.000029	.000029
1	.000327	.000356
2	.001838	.002194
3	.006770	.008964
4	.018374	.027338
5	.039199	.066537
6	.068442	.134979
7	.100569	.235548
8	.126908	.362456
9	.139666	.502121
10	.135675	.637797
11	.117468	.755264
12	.091364	.846628
13	.064256	.910884
14	.041089	.951973
15	.024001	.975974
16	.012858	.988832
17	.006539	.995171
18	.002884	.998055
19	.001214	.999269
20	.000474	.999744
21	.000172	.999916
22	.000058	.999974
23	.000018	.999992
24	.000005	.999997
25	.000001	.999999
26	.000000	.999999

x	Individual Term	Cumulative (x or less)
0	.000014	.000014
1	.000171	.000185
2	.001036	.001222
3	.004103	.005324
4	.011975	.017299
5	.027470	.044769
6	.051574	.096343
7	.081489	.177832
8	.110575	.288408
9	.130855	.419263
10	.136688	.555951
11	.127256	.683207
12	.106430	.789637
13	.080488	.870125
14	.055344	.925469
15	.034762	.960232
16	.020025	.980257
17	.010616	.990873
18	.005194	.996067
19	.002352	.998419
20	.000987	.999406
21	.000385	.999791
22	.000140	.999931
23	.000047	.999978
24	.000015	.999993
25	.000004	.999998
26	.000001	.999999
27	.000000	.999999

x	Individual Term	Cumulative (x or less)
0	.000007	.000007
1	.000089	.000096
2	.000575	.000671
3	.002441	.003111
4	.007634	.010745
5	.018769	.029514
6	.037767	.067281
7	.063953	.131234
8	.093005	.224239
9	.117957	.342196
10	.132055	.474251
11	.131762	.606013
12	.118104	.724116
13	.095724	.819840
14	.070542	.890382
15	.047487	.937869
16	.029317	.967186
17	.016657	.983843
18	.008735	.992577
19	.004238	.996816
20	.001907	.998723
21	.000797	.999521
22	.000310	.999831
23	.000113	.999943
24	.000038	.999981
25	.000012	.999993
26	.000004	.999997
27	.000001	.999998
28	.000000	.999998

50-100 BINOMIAL TABLES

$n =$   
60

$p = .19$

x	Individual Term	Cumulative (x or less)
0	.000003	.000003
1	.000045	.000049
2	.000314	.000363
3	.001426	.001789
4	.004767	.006557
5	.012524	.019081
6	.026930	.046011
7	.048730	.094742
8	.075728	.170469
9	.102632	.273102
10	.122779	.395880
11	.130909	.526789
12	.125387	.652176
13	.108597	.760773
14	.085518	.846291
15	.061517	.907808
16	.040584	.948392
17	.024639	.973031
18	.013807	.986838
19	.007159	.993997
20	.003443	.997439
21	.001538	.998977
22	.000640	.999617
23	.000248	.999865
24	.000090	.999954
25	.000030	.999985
26	.000010	.999994
27	.000003	.999997
28	.000001	.999998
29	.000000	.999998

$p = .20$

x	Individual Term	Cumulative (x or less)
0	.000002	.000002
1	.000023	.000025
2	.000170	.000194
3	.000819	.001013
4	.002919	.003933
5	.008174	.012106
6	.018731	.030837
7	.036124	.066962
8	.059831	.126792
9	.086422	.213215
10	.110189	.323403
11	.125214	.448618
12	.127823	.575440
13	.117990	.694430
14	.099027	.793458
15	.075921	.869379
16	.053382	.922761
17	.034541	.957302
18	.020629	.977931
19	.011400	.989331
20	.005843	.995174
21	.002782	.997956
22	.001233	.999189
23	.000509	.999698
24	.000196	.999895
25	.000071	.999965
26	.000024	.999989
27	.000007	.999997
28	.000002	.999999
29	.000001	1.000000
30	.000000	1.000000

$p = .21$

x	Individual Term	Cumulative (x or less)
0	.000001	.000001
1	.000011	.000012
2	.000090	.000102
3	.000463	.000565
4	.001754	.002320
5	.005223	.007542
6	.012726	.020269
7	.026097	.046366
8	.045959	.092325
9	.070587	.162911
10	.095694	.258605
11	.115626	.374231
12	.125505	.499736
13	.123183	.622919
14	.109929	.732848
15	.089613	.822461
16	.066997	.889458
17	.046095	.935553
18	.029271	.964824
19	.017200	.982024
20	.009373	.991397
21	.004746	.996143
22	.002236	.998379
23	.000982	.999361
24	.000403	.999764
25	.000154	.999918
26	.000055	.999973
27	.000018	.999991
28	.000006	.999997
29	.000002	.999999
30	.000000	.999999
31	.000000	1.000000

n=

60

## 50-100 BINOMIAL TABLES

p=.22

x	Individual Term	Cumulative (x or less)
0	.000000	.000000
1	.000006	.000006
2	.000047	.000053
3	.000258	.000311
4	.001035	.001346
5	.003271	.004617
6	.008456	.013073
7	.018399	.031472
8	.034380	.065852
9	.056027	.121879
10	.080592	.202471
11	.103324	.305795
12	.118999	.424793
13	.123928	.548721
14	.117345	.666066
15	.101499	.767565
16	.080516	.848081
17	.058778	.906858
18	.039604	.946462
19	.024692	.971154
20	.014277	.985431
21	.007670	.993102
22	.003835	.996937
23	.001787	.998724
24	.000777	.999501
25	.000316	.999817
26	.000120	.999937
27	.000043	.999979
28	.000014	.999993
29	.000004	.999998
30	.000001	.999999
31	.000000	.999999

p=.23

x	Individual Term	Cumulative (x or less)
1	.000003	.000003
2	.000024	.000027
3	.000141	.000168
4	.000600	.000769
5	.002009	.002778
6	.005500	.008278
7	.012674	.020952
8	.025081	.046033
9	.043286	.089319
10	.065940	.155259
11	.089529	.244789
12	.109199	.353988
13	.120435	.474423
14	.120770	.595193
15	.110628	.705820
16	.092938	.798758
17	.071851	.870609
18	.051270	.921880
19	.033853	.955733
20	.020730	.976462
21	.011794	.985257
22	.006245	.994502
23	.003082	.997584
24	.001419	.999003
25	.000610	.999614
26	.000245	.999859
27	.000092	.999952
28	.000033	.999984
29	.000011	.999995
30	.000003	.999998
31	.000001	.999999
32	.000000	.999999

p=.24

x	Individual Term	Cumulative (x or less)
1	.000001	.000001
2	.000012	.000014
3	.000076	.000090
4	.000342	.000432
5	.001211	.001643
6	.003505	.005149
7	.008539	.013688
8	.017865	.031553
9	.032596	.064149
10	.052496	.116645
11	.075354	.191998
12	.097166	.289165
13	.113295	.402460
14	.120110	.522570
15	.116317	.638887
16	.103308	.742195
17	.084437	.826633
18	.063698	.890331
19	.044465	.934797
20	.028785	.963582
21	.017315	.980897
22	.009693	.990590
23	.005057	.995647
24	.002462	.998109
25	.001120	.999228
26	.000476	.999704
27	.000189	.999894
28	.000070	.999964
29	.000025	.999988
30	.000008	.999996
31	.000002	.999999
32	.000001	1.000000
33	.000000	1.000000

50-100 BINOMIAL TABLES

n=  
60

p=.25

x	Individual Term	Cumulative (x or less)
1	.000001	.000001
2	.000006	.000007
3	.000040	.000047
4	.000192	.000239
5	.000717	.000956
6	.002190	.003146
7	.005632	.008778
8	.012437	.021215
9	.023953	.045167
10	.040719	.085887
11	.061696	.147583
12	.083975	.231558
13	.103354	.334911
14	.115658	.450569
15	.118228	.568797
16	.110839	.679636
17	.095626	.775261
18	.076146	.851408
19	.056108	.907515
20	.038340	.945856
21	.024343	.970199
22	.014385	.984583
23	.007922	.992505
24	.004071	.996576
25	.001954	.998530
26	.000877	.999407
27	.000368	.999775
28	.000145	.999920
29	.000053	.999973
30	.000018	.999991
31	.000006	.999997
32	.000002	.999999
33	.000001	1.000000
34	.000000	1.000000

p=.26

x	Individual Term	Cumulative (x or less)
1	.000000	.000000
2	.000003	.000003
3	.000021	.000025
4	.000106	.000131
5	.000417	.000547
6	.001342	.001890
7	.003638	.005528
8	.008469	.013997
9	.017193	.031190
10	.030807	.061997
11	.049201	.111199
12	.070588	.181787
13	.091574	.273360
14	.108015	.381375
15	.116383	.497758
16	.115007	.612765
17	.104585	.717351
18	.087782	.805133
19	.068178	.873311
20	.049107	.922418
21	.032864	.955282
22	.020469	.975751
23	.011882	.987634
24	.006436	.994070
25	.003256	.997326
26	.001540	.998867
27	.000681	.999548
28	.000282	.999830
29	.000109	.999940
30	.000040	.999979
31	.000014	.999993
32	.000004	.999997
33	.000001	.999998
34	.000000	.999999

p=.27

x	Individual Term	Cumulative (x or less)
2	.000002	.000002
3	.000011	.000013
4	.000057	.000070
5	.000238	.000308
6	.000807	.001116
7	.002304	.003420
8	.005646	.009065
9	.012064	.021130
10	.022757	.043887
11	.038259	.082146
12	.057782	.139928
13	.078910	.218837
14	.097981	.316818
15	.111134	.427952
16	.115606	.543559
17	.110669	.654228
18	.097783	.752011
19	.079946	.831957
20	.060617	.892574
21	.042705	.935279
22	.028000	.963279
23	.017110	.980389
24	.009756	.990145
25	.005196	.995341
26	.002587	.997929
27	.001205	.999134
28	.000525	.999659
29	.000214	.999873
30	.000082	.999955
31	.000029	.999983
32	.000010	.999994
33	.000003	.999997
34	.000001	.999998
35	.000000	.999999

$n =$

60

50-100 BINOMIAL TABLES

$p = .28$

$x$	Individual Term	Cumulative (x or less)
2	.000001	.000001
3	.000006	.000006
4	.000031	.000037
5	.000134	.000171
6	.000477	.000648
7	.001431	.002078
8	.003686	.005764
9	.008282	.014047
10	.016426	.030473
11	.029037	.059510
12	.046109	.105619
13	.066208	.171826
14	.086438	.258264
15	.103085	.361349
16	.112749	.474098
17	.113486	.587585
18	.105430	.693015
19	.090633	.783648
20	.072255	.855902
21	.053522	.909424
22	.036898	.946322
23	.023707	.970029
24	.014213	.984242
25	.007959	.992202
26	.004167	.996368
27	.002041	.998409
28	.000935	.999344
29	.000401	.999745
30	.000161	.999907
31	.000061	.999967
32	.000021	.999989
33	.000007	.999996
34	.000002	.999998
35	.000001	.999999
36	.000000	.999999

$p = .29$

$x$	Individual Term	Cumulative (x or less)
3	.000003	.000003
4	.000016	.000019
5	.000074	.000093
6	.000277	.000370
7	.000872	.001241
8	.002358	.003600
9	.005566	.009166
10	.011594	.020760
11	.021525	.042285
12	.035901	.078186
13	.054143	.132329
14	.074242	.206572
15	.092995	.299566
16	.106829	.406396
17	.112936	.519332
18	.110197	.629299
19	.099496	.729025
20	.083310	.812335
21	.064815	.877150
22	.046931	.924081
23	.031671	.955752
24	.019943	.975695
25	.011730	.987424
26	.006449	.993874
27	.003317	.997191
28	.001597	.998788
29	.000720	.999508
30	.000304	.999811
31	.000120	.999932
32	.000044	.999976
33	.000015	.999991
34	.000005	.999996
35	.000002	.999998
36	.000000	.999998

$p = .30$

$x$	Individual Term	Cumulative (x or less)
3	.000001	.000002
4	.000008	.000010
5	.000040	.000050
6	.000158	.000208
7	.000521	.000729
8	.001479	.002208
9	.003663	.005871
10	.008007	.013878
11	.015597	.029475
12	.027295	.056771
13	.043193	.099963
14	.062145	.162108
15	.081676	.243784
16	.098449	.342233
17	.109204	.451436
18	.111804	.565240
19	.105919	.669159
20	.093058	.752217
21	.075965	.838183
22	.057714	.895897
23	.040866	.936752
24	.027001	.963763
25	.016663	.980426
26	.009613	.990040
27	.005188	.995228
28	.002621	.997848
29	.001239	.999088
30	.000549	.999637
31	.000228	.999864
32	.000088	.999953
33	.000032	.999985
34	.000011	.999996
35	.000003	.999999
36	.000001	1.000001
37	.000000	1.000001

50-100 BINOMIAL TABLES

$n =$

60

$p = .31$

$p = .32$

$p = .33$

$x$	Individual Term	Cumulative (x or less)	$x$	Individual Term	Cumulative (x or less)	$x$	Individual Term	Cumulative (x or less)
3	.000001	.000001	3	.000000	.000000	4	.000001	.000001
4	.000004	.000005	4	.000002	.000002	5	.000006	.000007
5	.000021	.000026	5	.000011	.000014	6	.000026	.000033
6	.000088	.000115	6	.000049	.000062	7	.000100	.000133
7	.000306	.000420	7	.000176	.000238	8	.000325	.000458
8	.000910	.001330	8	.000549	.000788	9	.000925	.001383
9	.002362	.003693	9	.001493	.002281	10	.002324	.003707
10	.005413	.009105	10	.003583	.005864	11	.005203	.008910
11	.011053	.020159	11	.007665	.013529	12	.010464	.019373
12	.020278	.040437	12	.014728	.028257	13	.019029	.038403
13	.033638	.074075	13	.025591	.053849	14	.031465	.069688
14	.050736	.124811	14	.040430	.094279	15	.047527	.117395
15	.069903	.194715	15	.058346	.152625	16	.065837	.183232
16	.088329	.283043	16	.077223	.229848	17	.083929	.267161
17	.102711	.385755	17	.094057	.323905	18	.098752	.365913
18	.110237	.495991	18	.105738	.429643	19	.107518	.473431
19	.109480	.605471	19	.109993	.519636	20	.108561	.581993
20	.100833	.706304	20	.106111	.645747	21	.101849	.683841
21	.086289	.792593	21	.095114	.710861	22	.088927	.772769
22	.068724	.861317	22	.079346	.820207	23	.072365	.845134
23	.051013	.912330	23	.061691	.881898	24	.054949	.900083
24	.035333	.947663	24	.044756	.926654	25	.038973	.939056
25	.022859	.970522	25	.030329	.956983	26	.025840	.964896
26	.013825	.984346	26	.019213	.976196	27	.016027	.980923
27	.007822	.992168	27	.011385	.987582	28	.009303	.990226
28	.004142	.996309	28	.006315	.993896	29	.005056	.995283
29	.002053	.998363	29	.003279	.997175	30	.002573	.997856
30	.000953	.999316	30	.001594	.998770	31	.001227	.999083
31	.000414	.999730	31	.000726	.999496	32	.000548	.999630
32	.000169	.999899	32	.000310	.999806	33	.000229	.999859
33	.000064	.999963	33	.000124	.999929	34	.000089	.999948
34	.000023	.999986	34	.000046	.999975	35	.000033	.999981
35	.000008	.999994	35	.000016	.999992	36	.000011	.999992
36	.000002	.999996	36	.000005	.999997	37	.000004	.999996
37	.000001	.999997	37	.000002	.999999	38	.000001	.999997
38	.000000	.999997	38	.000000	.999999	39	.000000	.999997

n=

60

## 50-100 BINOMIAL TABLES

p=.34			p=.35			p=.36		
x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
4	.000001	.000001	5	.000001	.000002	5	.000001	.000001
5	.000003	.000004	6	.000007	.000009	6	.000004	.000005
6	.000014	.000017	7	.000030	.000039	7	.000016	.000021
7	.000055	.000073	8	.000108	.000147	8	.000060	.000081
8	.000189	.000262	9	.000335	.000482	9	.000196	.000277
9	.000562	.000824	10	.000920	.001402	10	.000562	.000838
10	.001477	.002301	11	.002251	.003653	11	.001436	.002274
11	.003458	.005759	12	.004950	.008603	12	.003298	.005572
12	.007274	.013033	13	.009841	.018444	13	.006849	.012420
13	.013836	.026869	14	.017789	.036233	14	.012933	.025354
14	.023929	.050798	15	.029375	.065608	15	.022310	.047664
15	.037803	.088601	16	.044487	.110095	16	.035295	.082959
16	.054771	.143372	17	.062000	.172095	17	.051385	.134344
17	.073028	.216400	18	.079752	.251847	18	.069049	.203394
18	.089871	.306272	19	.094927	.346774	19	.085857	.289251
19	.102342	.408613	20	.104785	.451559	20	.090004	.388255
20	.108079	.516692	21	.107472	.559030	21	.106076	.494331
21	.106051	.622744	22	.102587	.661617	22	.105775	.600105
22	.096849	.719592	23	.091264	.752881	23	.098301	.698407
23	.082430	.802022	24	.075761	.828642	24	.085246	.783652
24	.065465	.867487	25	.058744	.887386	25	.069049	.852701
25	.048563	.916050	26	.042581	.929567	26	.052285	.904986
26	.033677	.949727	27	.028872	.958839	27	.037035	.942021
27	.021847	.971574	28	.018323	.977162	28	.024552	.966573
28	.013264	.984838	29	.010887	.988049	29	.015239	.981813
29	.007540	.992378	30	.006058	.994106	30	.008858	.990670
30	.004014	.996392	31	.003157	.997263	31	.004822	.995492
31	.002001	.998392	32	.001540	.998803	32	.002458	.997950
32	.000934	.999327	33	.000704	.999907	33	.001173	.999123
33	.000408	.999735	34	.000301	.999808	34	.000524	.999647
34	.000167	.999902	35	.000120	.999928	35	.000219	.999866
35	.000064	.999966	36	.000045	.999973	36	.000086	.999952
36	.000023	.999989	37	.000016	.999989	37	.000031	.999983
37	.000008	.999996	38	.000005	.999994	38	.000011	.999994
38	.000002	.999999	39	.000002	.999995	39	.000003	.999997
39	.000001	.999999	40	.000000	.999996	40	.000001	.999998
40	.000000	1.000000				41	.000000	.999998

## 50-100 BINOMIAL TABLES

n=

60

p=.37

p=.38

p=.39

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
6	.000002	.000002	6	.000001	.000001	6	.000000	.000001
7	.000008	.000011	7	.000004	.000006	7	.000002	.000003
8	.000033	.000044	8	.000018	.000023	8	.000009	.000012
9	.000112	.000156	9	.000063	.000086	9	.000035	.000047
10	.000336	.000492	10	.000197	.000284	10	.000113	.000160
11	.000897	.001389	11	.000549	.000833	11	.000329	.000490
12	.002151	.003540	12	.001374	.002207	12	.000860	.001350
13	.004665	.008205	13	.003110	.005318	13	.002030	.003380
14	.009198	.017403	14	.006400	.011718	14	.004358	.007738
15	.016566	.033969	15	.012029	.023747	15	.008544	.016282
16	.027363	.061332	16	.020736	.044483	16	.015364	.031646
17	.041594	.102927	17	.032894	.077378	17	.025424	.057070
18	.058356	.161283	18	.048163	.125540	18	.036830	.095900
19	.075761	.237044	19	.065253	.190793	19	.054878	.150779
20	.091214	.328258	20	.081987	.272780	20	.071927	.222706
21	.102038	.430296	21	.095714	.368494	21	.087592	.310298
22	.106235	.536531	22	.103995	.472488	22	.099276	.409573
23	.103082	.639612	23	.105307	.577796	23	.104866	.514439
24	.093333	.732945	24	.099504	.6777300	24	.103361	.617800
25	.078933	.811878	25	.087820	.765120	25	.095160	.712961
26	.062404	.874282	26	.072457	.637577	26	.081900	.794861
27	.046152	.920434	27	.055923	.893500	27	.065938	.860799
28	.031945	.952379	28	.040396	.933896	28	.049685	.910484
29	.020702	.973082	29	.027320	.961216	29	.035052	.945536
30	.012564	.985646	30	.017303	.978518	30	.023157	.968693
31	.007141	.992786	31	.010263	.988781	31	.014328	.983021
32	.003801	.996587	32	.005700	.994481	32	.008302	.991323
33	.001894	.998481	33	.002964	.997446	33	.004503	.995826
34	.000883	.999364	34	.001443	.998888	34	.002286	.998112
35	.000385	.999750	35	.000657	.999545	35	.001086	.999198
36	.000157	.999907	36	.000280	.999825	36	.000482	.999680
37	.000060	.999967	37	.000111	.999936	37	.000200	.999880
38	.000021	.999988	38	.000041	.999977	38	.000077	.999958
39	.000007	.999995	39	.000014	.999992	39	.000028	.999986
40	.000002	.999997	40	.000005	.999996	40	.000009	.999995
41	.000001	.999998	41	.000001	.999998	41	.000003	.999998
42	.000000	.999998	42	.000000	.999998	42	.000001	.999999
						43	.000000	.999999

n=

60

## 50-100 BINOMIAL TABLES

p=.40

x	Individual Term	Cumulative (x or less)
6	.000000	.000000
7	.000001	.000001
8	.000005	.000006
9	.000019	.000025
10	.000064	.000089
11	.000194	.000283
12	.000527	.000810
13	.001298	.002107
14	.002904	.005011
15	.005937	.010948
16	.011132	.022080
17	.019208	.041288
18	.030591	.071879
19	.045081	.116960
20	.061610	.178570
21	.078236	.256806
22	.092460	.349266
23	.101840	.451106
24	.104669	.555775
25	.100482	.656257
26	.090176	.746433
27	.075704	.822137
28	.059481	.881618
29	.043756	.925375
30	.030143	.955518
31	.019447	.974965
32	.011749	.986715
33	.006646	.993361
34	.003519	.996879
35	.001743	.998622
36	.000807	.999429
37	.000349	.999777
38	.000141	.999918
39	.000053	.999971
40	.000019	.999990
41	.000006	.999996
42	.000002	.999997
43	.000001	.999998
44	.000000	.999998

p=.41

x	Individual Term	Cumulative (x or less)
7	.000001	.000001
8	.000002	.000003
9	.000010	.000013
10	.000035	.000048
11	.000112	.000160
12	.000316	.000476
13	.000812	.001288
14	.001894	.003182
15	.004036	.007218
16	.007888	.015106
17	.014188	.029294
18	.023553	.052848
19	.036181	.089028
20	.051542	.140570
21	.068224	.208794
22	.084044	.292858
23	.096483	.389331
24	.103376	.492707
25	.103446	.596152
26	.096770	.692922
27	.084681	.777603
28	.069354	.846957
29	.053181	.900138
30	.038188	.938326
31	.025681	.964007
32	.016173	.980181
33	.009536	.989717
34	.005263	.994980
35	.002717	.997696
36	.001311	.999007
37	.000591	.999598
38	.000249	.999847
39	.000057	.999944
40	.000036	.999980
41	.000012	.999992
42	.000004	.999995
43	.000001	.999996
44	.000000	.999997

p=.42

x	Individual Term	Cumulative (x or less)
7	.000000	.000000
8	.000001	.000002
9	.000005	.000007
10	.000019	.000026
11	.000063	.000089
12	.000186	.000275
13	.000497	.000772
14	.001209	.001981
15	.002684	.004665
16	.005467	.010133
17	.010247	.020380
18	.017726	.038106
19	.028375	.066481
20	.042122	.088603
21	.058099	.166703
22	.074582	.241285
23	.089230	.330515
24	.099615	.430130
25	.103874	.534004
26	.101257	.655261
27	.092334	.727594
28	.078802	.806396
29	.062967	.869363
30	.047116	.916479
31	.033018	.949498
32	.021668	.971166
33	.013313	.984479
34	.007656	.992135
35	.004118	.996253
36	.002071	.998324
37	.000973	.999297
38	.000426	.999723
39	.000174	.999898
40	.000066	.999964
41	.000023	.999987
42	.000008	.999995
43	.000002	.999997
44	.000001	.999998
45	.000000	.999998

50-100 BINOMIAL TABLES

n=

60

p=.43

p=.44

p=.45

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
8	.000001	.000001	8	.000000	.000000	9	.000001	.000001
9	.000003	.000003	9	.000001	.000002	10	.000003	.000003
10	.000010	.000014	10	.000005	.000007	11	.000010	.000013
11	.000035	.000048	11	.000019	.000025	12	.000033	.000047
12	.000107	.000155	12	.000060	.000086	13	.000100	.000147
13	.000298	.000453	13	.000175	.000261	14	.000276	.000423
14	.000755	.001209	14	.000462	.000723	15	.000692	.001116
15	.001747	.002955	15	.001112	.001835	16	.001593	.002709
16	.003706	.006662	16	.002457	.004292	17	.003374	.006083
17	.007237	.013898	17	.004997	.009289	18	.006595	.012678
18	.013042	.026940	18	.009380	.018669	19	.011928	.024606
19	.021748	.048688	19	.016291	.034961	20	.020006	.044612
20	.033633	.082321	20	.026241	.061202	21	.031178	.075790
21	.048328	.130650	21	.039272	.100474	22	.045221	.121012
22	.064631	.195281	22	.054700	.155174	23	.061129	.182141
23	.080554	.275835	23	.071009	.226183	24	.077106	.259248
24	.093685	.369520	24	.086013	.312196	25	.090845	.350093
25	.101772	.471292	25	.097318	.409514	26	.100057	.450150
26	.103351	.574643	26	.102933	.512447	27	.103089	.553239
27	.098180	.672823	27	.101843	.614290	28	.099407	.652646
28	.087292	.760115	28	.094309	.708599	29	.089747	.742393
29	.072664	.832779	29	.081765	.790364	30	.075877	.818270
30	.056644	.889423	30	.066386	.856750	31	.060079	.878348
31	.041353	.930776	31	.050478	.907227	32	.044547	.922895
32	.028271	.959048	32	.035943	.943170	33	.030925	.953820
33	.018096	.977144	33	.023962	.967132	34	.020093	.973913
34	.010841	.987985	34	.014951	.982083	35	.012212	.986126
35	.006075	.994060	35	.008726	.990809	36	.006939	.993065
36	.003183	.997242	36	.004761	.995571	37	.003683	.996747
37	.001557	.998800	37	.002427	.997997	38	.001824	.998571
38	.000711	.999511	38	.001154	.999151	39	.000842	.999412
39	.000303	.999814	39	.000512	.999663	40	.000362	.999774
40	.000120	.999933	40	.000211	.999874	41	.000144	.999918
41	.000044	.999978	41	.000081	.999955	42	.000053	.999972
42	.000015	.999993	42	.000029	.999983	43	.000018	.999990
43	.000005	.999997	43	.000009	.999993	44	.000006	.999996
44	.000001	.999999	44	.000003	.999996	45	.000002	.999997
45	.000000	.999999	45	.000001	.999997	46	.000000	.999998
			46	.000000	.999997			

n=

50

## 50-100 BINOMIAL TABLES

p=.46

x	Individual Term	Cumulative (x or less)
9	.000000	.000000
10	.000001	.000002
11	.000005	.000007
12	.000018	.000025
13	.000056	.000081
14	.000161	.000243
15	.000422	.000664
16	.001010	.001675
17	.002227	.003902
18	.004532	.008434
19	.008535	.016969
20	.014904	.031873
21	.024183	.056057
22	.036519	.092576
23	.051397	.143974
24	.067499	.211472
25	.082799	.294271
26	.094947	.389218
27	.101850	.491068
28	.102254	.593322
29	.096116	.689439
30	.084606	.774045
31	.069747	.843791
32	.053844	.897635
33	.038917	.936553
34	.026327	.962879
35	.016660	.979539
36	.009855	.989394
37	.005446	.994839
38	.002808	.997647
39	.001349	.998996
40	.000603	.999600
41	.000251	.999890
42	.000097	.999947
43	.000034	.999982
44	.000011	.999993
45	.000003	.999996
46	.000001	.999997
47	.000000	.999997

p=.47

x	Individual Term	Cumulative (x or less)
10	.000001	.000001
11	.000003	.000003
12	.000009	.000013
13	.000031	.000044
14	.000092	.000136
15	.000251	.000387
16	.000626	.001013
17	.001437	.002450
18	.003044	.0059495
19	.005968	.011463
20	.010849	.022312
21	.018326	.040638
22	.028809	.069446
23	.042209	.111655
24	.057705	.169360
25	.073688	.243048
26	.087966	.331014
27	.098232	.429246
28	.102667	.531912
29	.100462	.632374
30	.092059	.724433
31	.079004	.803436
32	.063492	.866928
33	.047773	.914701
34	.033643	.946344
35	.022162	.970506
36	.013648	.984154
37	.007851	.992005
38	.004214	.996219
39	.002108	.998327
40	.000981	.999308
41	.000425	.999733
42	.000170	.999903
43	.000063	.999966
44	.000022	.999988
45	.000007	.999995
46	.000002	.999997
47	.000001	.999997
48	.000000	.999997

p=.48

x	Individual Term	Cumulative (x or less)
10	.000000	.000000
11	.000001	.000002
12	.000005	.000007
13	.000017	.000023
14	.000052	.000075
15	.000146	.000221
16	.000379	.000600
17	.000906	.001506
18	.001998	.003505
19	.004077	.007582
20	.007715	.015297
21	.013566	.028863
22	.022198	.051061
23	.033854	.084916
24	.048177	.133093
25	.064039	.197132
26	.079575	.276708
27	.092498	.369205
28	.100629	.469834
29	.102498	.572332
30	.097767	.670099
31	.087335	.757434
32	.073059	.830493
33	.057221	.887714
34	.041945	.929659
35	.028762	.958421
36	.018437	.976858
37	.011039	.987898
38	.006168	.994066
39	.003212	.997277
40	.001556	.998834
41	.000701	.999534
42	.000293	.999827
43	.000113	.999940
44	.000040	.999980
45	.000013	.999994
46	.000004	.999998
47	.000001	.999999
48	.000000	.999999

## 50-100 BINOMIAL TABLES

n=

60

p=.49

p=.50

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
11	.000001	.000001	11	.000000	.000000
12	.000002	.000003	12	.000001	.000002
13	.000009	.000012	13	.000004	.000006
14	.000028	.000040	14	.000015	.000021
15	.000083	.000123	15	.000046	.000067
16	.000224	.000348	16	.000130	.000197
17	.000558	.000906	17	.000336	.000533
18	.001281	.002187	18	.000802	.001335
19	.002721	.004908	19	.001774	.003109
20	.005350	.010268	20	.003636	.006745
21	.009808	.020076	21	.006925	.013670
22	.016706	.036782	22	.012277	.025947
23	.026519	.063301	23	.020284	.046231
24	.039279	.102580	24	.031271	.077501
25	.054344	.156925	25	.045030	.122531
26	.070287	.227212	26	.060617	.185147
27	.085038	.312250	27	.076332	.239480
28	.096293	.408544	28	.089963	.349443
29	.102088	.510632	29	.099269	.448712
30	.101354	.611986	30	.102578	.551290
31	.094238	.706224	31	.099269	.650559
32	.082054	.788278	32	.089963	.740522
33	.066891	.855169	33	.076332	.816854
34	.051037	.906206	34	.060617	.877471
35	.036426	.942632	35	.045030	.922501
36	.024304	.966936	36	.031271	.953771
37	.015146	.982082	37	.020284	.974055
38	.008508	.990890	38	.012277	.986332
39	.004774	.995664	39	.006925	.993257
40	.002408	.998072	40	.003636	.996893
41	.001129	.999201	41	.001774	.998666
42	.000491	.999691	42	.000802	.999469
43	.000197	.999888	43	.000336	.999805
44	.000073	.999962	44	.000130	.999934
45	.000025	.999987	45	.000046	.999981
46	.000008	.999994	46	.000015	.999996
47	.000002	.999997	47	.000004	1.000001
48	.000001	.999997	48	.000001	1.000002
49	.000000	.999997	49	.000000	1.000002

**n=**  
**65**

50-100 BINOMIAL TABLES

**p=.01**

x	Individual Term	Cumulative (x or less)
0	.520340	.520340
1	.341638	.861978
2	.110428	.972406
3	.023424	.995831
4	.003667	.999498
5	.000452	.999950
6	.000046	.999996
7	.000004	1.000000
8	.000000	1.000000

**p=.02**

x	Individual Term	Cumulative (x or less)
0	.268965	.268965
1	.356790	.625754
2	.233006	.858760
3	.099859	.955619
4	.031588	.990207
5	.007865	.998072
6	.001605	.999677
7	.000276	.999953
8	.000041	.999994
9	.000005	1.000000
10	.000001	1.000001
11	.000000	1.000001

**p=.03**

x	Individual Term	Cumulative (x or less)
0	.138090	.138090
1	.277604	.415694
2	.274742	.690436
3	.178441	.868877
4	.085541	.954418
5	.032276	.986694
6	.009982	.996677
7	.002602	.999279
8	.000583	.999863
9	.000114	.999977
10	.000020	.999997
11	.000003	1.000000
12	.000000	1.000001

**p=.04**

x	Individual Term	Cumulative (x or less)
0	.070409	.070409
1	.190692	.261101
2	.254256	.515357
3	.222474	.737851
4	.143681	.881512
5	.073038	.954550
6	.030432	.984982
7	.010688	.999670
8	.003229	.999898
9	.000852	.999750
10	.000199	.999949
11	.000041	.999990
12	.000008	.999998
13	.000001	.999999
14	.000000	1.000000

**p=.05**

x	Individual Term	Cumulative (x or less)
0	.035648	.035648
1	.121954	.157601
2	.205395	.362997
3	.227016	.590013
4	.185197	.775210
5	.118916	.894126
6	.062587	.956713
7	.027764	.984478
8	.010594	.995072
9	.003531	.998604
10	.001041	.999644
11	.000274	.999918
12	.000065	.999983
13	.000014	.999997
14	.000003	1.000000
15	.000000	1.000001

**p=.06**

x	Individual Term	Cumulative (x or less)
0	.017919	.017919
1	.074344	.092263
2	.151852	.244115
3	.203547	.447662
4	.201381	.649043
5	.156820	.805863
6	.100098	.905961
7	.053852	.959813
8	.024921	.984734
9	.010074	.994808
10	.003601	.998410
11	.001149	.999559
12	.000350	.999889
13	.000086	.999975
14	.000020	.999995
15	.000004	1.000000
16	.000001	1.000001
17	.000000	1.000001

50-100 BINOMIAL TABLES

n=

65

p=.07

x	Individual Term	Cumulative (x or less)
0	.008941	.008941
1	.043744	.052685
2	.105362	.158048
3	.166540	.324588
4	.194297	.518885
5	.178419	.697304
6	.134294	.831598
7	.085197	.916795
8	.046492	.963287
9	.022163	.983450
10	.009342	.994792
11	.003516	.998307
12	.001191	.999498
13	.000365	.999864
14	.000102	.999966
15	.000026	.999992
16	.000006	.999998
17	.000001	.999999
18	.000000	1.000000

p=.08

x	Individual Term	Cumulative (x or less)
0	.004428	.004428
1	.025028	.029456
2	.069643	.090999
3	.127174	.226273
4	.171408	.397681
5	.181842	.579523
6	.158123	.737646
7	.115892	.853538
8	.073062	.926600
9	.040237	.966837
10	.019554	.986430
11	.008519	.994949
12	.003334	.998283
13	.001182	.999465
14	.000382	.999846
15	.000113	.999959
16	.000031	.999990
17	.000008	.999998
18	.000002	.999999
19	.000000	1.000000
20	.000000	.999999

p=.09

x	Individual Term	Cumulative (x or less)
0	.002176	.002176
1	.013990	.016166
2	.044275	.060440
3	.091955	.152396
4	.140964	.293360
5	.170087	.463447
6	.168217	.631664
7	.140225	.771889
8	.100546	.872435
9	.062979	.935415
10	.034881	.970296
11	.017249	.987544
12	.007677	.995221
13	.003095	.998316
14	.001137	.999453
15	.000382	.999836
16	.000118	.999954
17	.000034	.999988
18	.000009	.999997
19	.000002	.999999
20	.000000	.999999

p=.10

x	Individual Term	Cumulative (x or less)
0	.001061	.001061
1	.007664	.008725
2	.027248	.035973
3	.063580	.099553
4	.109498	.209051
5	.148431	.357482
6	.164923	.522405
7	.154452	.676857
8	.124420	.801277
9	.087555	.888831
10	.054478	.943310
11	.030266	.973575
12	.015133	.988708
13	.006855	.995563
14	.002829	.998392
15	.001069	.999461
16	.000371	.999832
17	.000119	.999951
18	.000035	.999986
19	.000010	.999996
20	.000002	.999999
21	.000001	.999999
22	.000000	.999999

p=.11

x	Individual Term	Cumulative (x or less)
0	.000513	.000513
1	.004124	.004637
2	.016309	.020945
3	.042329	.063275
4	.081092	.144366
5	.122275	.266641
6	.151126	.417768
7	.157433	.575201
8	.141071	.716272
9	.110426	.826598
10	.076430	.903128
11	.047232	.950360
12	.026269	.976629
13	.013237	.989866
14	.006077	.995942
15	.002554	.998496
16	.000986	.999482
17	.000351	.999834
18	.000116	.999950
19	.000035	.999985
20	.000010	.999995
21	.000003	.999998
22	.000001	.999999
23	.000000	.999999

p=.12

x	Individual Term	Cumulative (x or less)
0	.000246	.000246
1	.002183	.002429
2	.009524	.011953
3	.027274	.039227
4	.057648	.096875
5	.095905	.192780
6	.130779	.323559
7	.150311	.473870
8	.148603	.622473
9	.128339	.750812
10	.098004	.848817
11	.066821	.915638
12	.041004	.956642
13	.022796	.979488
14	.011546	.990984
15	.005353	.996337
16	.002281	.998618
17	.000897	.999515
18	.000326	.999841
19	.000110	.999951
20	.000034	.999985
21	.000010	.999995
22	.000003	.999998
23	.000001	.999999
24	.000000	.999999

n=

65

## 50-100 BINOMIAL TABLES

p=.13			p=.14			p=.15		
x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
0	.000117	.000117	0	.000055	.000055	0	.000026	.000026
1	.001138	.001255	1	.000585	.000640	1	.000296	.000322
2	.005441	.006696	2	.003046	.003686	2	.001674	.001996
3	.017073	.023769	3	.010413	.014099	3	.006202	.008198
4	.039542	.063311	4	.026274	.040373	4	.016964	.025162
5	.072085	.135396	5	.052182	.092555	5	.036523	.061685
6	.107714	.243110	6	.084948	.177503	6	.064452	.126137
7	.135639	.378768	7	.116556	.294059	7	.095866	.222003
8	.146964	.525732	8	.137563	.431622	8	.122652	.344655
9	.139080	.664812	9	.141829	.573451	9	.137082	.481737
10	.116380	.781192	10	.129295	.702746	10	.135469	.617206
11	.086950	.858143	11	.105240	.807986	11	.119531	.736737
12	.058467	.926609	12	.077094	.885080	12	.094922	.831659
13	.035618	.962227	13	.051166	.936247	13	.068292	.899951
14	.019768	.981995	14	.030938	.967185	14	.044763	.944714
15	.010043	.992038	15	.017124	.984309	15	.026858	.971572
16	.004690	.996728	16	.008711	.993020	16	.014811	.986383
17	.002020	.998748	17	.004057	.997107	17	.007534	.993917
18	.000805	.999553	18	.001774	.998882	18	.003545	.997463
19	.000297	.999850	19	.000715	.999956	19	.001548	.999010
20	.000102	.999952	20	.000268	.999864	20	.000628	.999638
21	.000033	.999985	21	.000093	.999957	21	.000238	.999876
22	.000010	.999995	22	.000030	.999987	22	.000084	.999960
23	.000003	.999997	23	.000009	.999997	23	.000028	.999987
24	.000001	.999998	24	.000003	.999999	24	.000009	.999996
25	.000000	.999998	25	.000001	1.000000	25	.000002	.999998
			26	.000000	1.000001	26	.000001	.999999
						27	.000000	.999999

## 50-100 BINOMIAL TABLES

n=

65

p=.16

p=.17

p=.18

x	Individual Term	Cumulative (x or less)
0	.000012	.000012
1	.000148	.000160
2	.000903	.001064
3	.003614	.004677
4	.010669	.015347
5	.024793	.040140
6	.047225	.087365
7	.075817	.163182
8	.104700	.267681
9	.126304	.394185
10	.134724	.528910
11	.128309	.657219
12	.109979	.767198
13	.085405	.852603
14	.060423	.913025
15	.039131	.952156
16	.023292	.975446
17	.012788	.988236
18	.006495	.994731
19	.003060	.997792
20	.001341	.999133
21	.000547	.999680
22	.000208	.999889
23	.000074	.999963
24	.000025	.999987
25	.000008	.999995
26	.000002	.999997
27	.000001	.999998
28	.000000	.999998

x	Individual Term	Cumulative (x or less)
0	.000005	.000005
1	.000073	.000079
2	.000480	.000558
3	.002063	.002621
4	.006549	.009170
5	.016365	.025535
6	.035518	.059052
7	.057863	.116915
8	.085923	.202838
9	.111458	.314296
10	.127841	.442137
11	.130922	.573059
12	.120669	.693727
13	.100762	.794490
14	.076656	.871145
15	.053382	.924527
16	.034168	.958695
17	.020171	.978866
18	.011017	.989883
19	.005582	.995465
20	.002630	.998095
21	.001154	.999249
22	.000473	.999722
23	.000181	.999903
24	.000065	.999967
25	.000022	.999989
26	.000007	.999996
27	.000002	.999998
28	.000001	.999999
29	.000000	.999999

x	Individual Term	Cumulative (x or less)
0	.000002	.000002
1	.000036	.000036
2	.000251	.000289
3	.001155	.001444
4	.003930	.005373
5	.010524	.015897
6	.023101	.038998
7	.042740	.081738
8	.068020	.149758
9	.094564	.244322
10	.116245	.360567
11	.127586	.488152
12	.126030	.614182
13	.112788	.726970
14	.091960	.818930
15	.068633	.887563
16	.047081	.934644
17	.029789	.964432
18	.017437	.981870
19	.009468	.991338
20	.004780	.996119
21	.002249	.998367
22	.000987	.999354
23	.000405	.999759
24	.000156	.999915
25	.000056	.999971
26	.000019	.999990
27	.000006	.999996
28	.000002	.999998
29	.000001	.999998
30	.000000	.999998

n=

65

## 50-100 BINOMIAL TABLES

p=.19

x	Individual Term	Cumulative (x or less)
0	.000001	.000001
1	.000017	.000018
2	.000129	.000147
3	.000635	.000782
4	.002308	.003090
5	.006605	.009694
6	.015492	.025186
7	.030629	.055816
8	.052088	.107904
9	.077382	.185286
10	.101648	.286934
11	.119216	.406150
12	.125840	.531990
13	.120342	.652332
14	.104848	.757180
15	.083620	.840800
16	.061295	.902096
17	.041442	.943538
18	.025923	.969461
19	.015042	.984502
20	.008115	.992617
21	.004079	.996696
22	.001914	.998610
23	.000839	.999449
24	.000344	.999793
25	.000133	.999926
26	.000048	.999974
27	.000016	.999990
28	.000005	.999995
29	.000002	.999997
30	.000000	.999997

p=.20

x	Individual Term	Cumulative (x or less)
0	.000001	.000001
1	.000008	.000009
2	.000065	.000074
3	.000343	.000417
4	.001328	.001745
5	.004051	.005795
6	.010127	.015922
7	.021338	.037260
8	.038675	.075936
9	.061236	.137172
10	.085731	.222902
11	.107163	.330066
12	.120559	.450624
13	.122877	.573501
14	.114100	.687601
15	.096985	.784586
16	.075770	.860356
17	.054599	.914955
18	.036399	.951354
19	.022510	.973864
20	.012943	.986807
21	.006934	.993741
22	.003467	.997208
23	.001620	.998828
24	.000709	.999537
25	.000291	.999828
26	.000112	.999940
27	.000040	.999980
28	.000014	.999994
29	.000004	.999998
30	.000001	.999999
31	.000000	1.000000

p=.21

x	Individual Term	Cumulative (x or less)
1	.000004	.000004
2	.000033	.000037
3	.000182	.000219
4	.000749	.000968
5	.002431	.003398
6	.006461	.009859
7	.01476	.024335
8	.027857	.052232
9	.046967	.091999
10	.069915	.169114
11	.092925	.262039
12	.111157	.373195
13	.120465	.493660
14	.118940	.612601
15	.107498	.720098
16	.089298	.809396
17	.068420	.877816
18	.046500	.926316
19	.031892	.958208
20	.019498	.977706
21	.011107	.988613
22	.005905	.994718
23	.002935	.997652
24	.001365	.999017
25	.000595	.999612
26	.000243	.999856
27	.000093	.999949
28	.000034	.999983
29	.000011	.999994
30	.000004	.999998
31	.000001	.999999
32	.000000	.999999

## 50-100 BINOMIAL TABLES

n=65

p=.22

p=.23

p=.24

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
1	.000002	.000002	1	.000001	.000001	1	.000000	.000000
2	.000016	.000018	2	.000008	.000009	2	.000004	.000004
3	.000095	.000113	3	.000049	.000057	3	.000025	.000029
4	.000415	.000528	4	.000226	.000283	4	.000121	.000149
5	.001428	.001956	5	.000822	.001105	5	.000464	.000614
6	.004028	.005984	6	.002456	.003562	6	.001466	.002080
7	.009576	.015560	7	.006184	.009746	7	.003903	.005983
8	.019581	.035141	8	.013392	.023138	8	.008936	.014919
9	.034978	.070119	9	.025336	.048474	9	.017871	.032790
10	.055248	.125367	10	.042379	.090853	10	.031604	.064394
11	.077914	.203281	11	.063294	.154147	11	.049902	.114296
12	.098891	.302172	12	.085077	.239224	12	.070913	.185209
13	.113714	.415886	13	.103605	.342829	13	.091296	.276505
14	.119129	.535016	14	.114946	.457775	14	.107085	.383590
15	.114242	.649257	15	.116737	.574512	15	.114975	.498565
16	.100694	.749951	16	.108967	.683479	16	.113462	.612027
17	.081861	.831813	17	.095817	.777298	17	.103275	.715302
18	.061571	.893384	18	.074729	.852024	18	.086969	.802271
19	.042958	.936342	19	.055216	.907241	19	.067937	.870208
20	.027868	.964210	20	.037934	.945175	20	.049343	.919551
21	.016843	.981053	21	.024281	.969456	21	.033390	.952941
22	.009501	.990554	22	.014505	.983961	22	.021089	.974030
23	.005010	.995565	23	.008100	.992062	23	.012450	.986480
24	.002473	.998038	24	.004234	.996296	24	.006881	.993361
25	.001144	.999182	25	.002074	.998370	25	.003563	.996924
26	.000496	.999678	26	.000953	.999323	26	.001731	.998656
27	.000202	.999880	27	.000411	.999735	27	.000790	.999445
28	.000077	.999958	28	.000167	.999901	28	.000338	.999784
29	.000028	.999985	29	.000064	.999965	29	.000136	.999920
30	.000009	.999995	30	.000023	.999988	30	.000052	.999972
31	.000003	.999998	31	.000008	.999995	31	.000018	.999990
32	.000001	.999999	32	.000002	.999998	32	.000006	.999996
33	.000000	.999999	33	.000001	.999999	33	.000002	.999998
			34	.000000	.999999	34	.000001	.999999
						35	.000000	.999999

**n=**  
**65**

50-100 BINOMIAL TABLES

<b>p=.25</b>			<b>p=.26</b>			<b>p=.27</b>		
x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
2	.000002	.000002	2	.000001	.000001	3	.000003	.000003
3	.000012	.000014	3	.000006	.000007	4	.000017	.000020
4	.000063	.000077	4	.000033	.000040	5	.000075	.000095
5	.000257	.000335	5	.000140	.000179	6	.000276	.000371
6	.000857	.001192	6	.000491	.000671	7	.000861	.001232
7	.002409	.003601	7	.001455	.002126	8	.002309	.003540
8	.005822	.009423	8	.003707	.005834	9	.005408	.008949
9	.012291	.021714	9	.008250	.014083	10	.011202	.020150
10	.022943	.044658	10	.016232	.030315	11	.020715	.040866
11	.038239	.082897	11	.028515	.058830	12	.034478	.075344
12	.057358	.140255	12	.045085	.103915	13	.051990	.127334
13	.077948	.218203	13	.064581	.168496	14	.071423	.198756
14	.096508	.314711	14	.084279	.252775	15	.089816	.288573
15	.109375	.424086	15	.100680	.353455	16	.103812	.392384
16	.113933	.538018	16	.110543	.463998	17	.110671	.503055
17	.109465	.647483	17	.111949	.575948	18	.109155	.612211
18	.097302	.744785	18	.104890	.680837	19	.099869	.712079
19	.080231	.825016	19	.091163	.772000	20	.084957	.797036
20	.061511	.886527	20	.073669	.845669	21	.067334	.864369
21	.043936	.930463	21	.055465	.901135	22	.049808	.914178
22	.029291	.959754	22	.038976	.940110	23	.034442	.948620
23	.018254	.978008	23	.025602	.965712	24	.022293	.970912
24	.010648	.988656	24	.015742	.981454	25	.013522	.984435
25	.005821	.994477	25	.009071	.990525	26	.007694	.992129
26	.002985	.997462	26	.004903	.995428	27	.004111	.996240
27	.001437	.998899	27	.002488	.997917	28	.002063	.998303
28	.000650	.999549	28	.001187	.999103	29	.000974	.999277
29	.000277	.999826	29	.000532	.999635	30	.000432	.999709
30	.000111	.999936	30	.000224	.999859	31	.000180	.999889
31	.000042	.999978	31	.000089	.999948	32	.000071	.999960
32	.000015	.999993	32	.000033	.999981	33	.000026	.999987
33	.000005	.999998	33	.000012	.999993	34	.000009	.999996
34	.000002	.999999	34	.000004	.999997	35	.000003	.999999
35	.000000	1.000000	35	.000001	.999998	36	.000001	1.000000
			36	.000000	.999999			

## 50-100 BINOMIAL TABLES

n=65

p=.28

p=.29

p=.30

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
3	.000001	.000002	3	.000001	.000001	3	.000000	.000000
4	.000008	.000010	4	.000004	.000005	4	.000002	.000002
5	.000039	.000049	5	.000020	.000025	5	.000010	.000012
6	.000152	.000201	6	.000082	.000107	6	.000044	.000056
7	.000499	.000700	7	.000283	.000391	7	.000158	.000214
8	.001407	.002107	8	.000839	.001230	8	.000490	.000705
9	.003465	.005572	9	.002171	.003402	9	.001331	.002036
10	.007547	.013119	10	.004967	.008368	10	.003195	.005231
11	.014674	.027793	11	.010143	.018512	11	.006847	.012078
12	.025680	.053473	12	.018644	.037156	12	.013204	.022282
13	.040714	.094187	13	.031046	.068202	13	.023071	.048354
14	.058809	.152996	14	.047100	.115303	14	.036726	.085080
15	.077759	.230755	15	.065410	.180712	15	.053515	.138595
16	.094499	.325254	16	.083490	.264202	16	.071672	.210267
17	.105925	.431180	17	.098292	.362495	17	.088536	.298802
18	.109848	.541028	18	.107060	.469553	18	.101184	.399986
19	.105673	.646701	19	.108171	.577726	19	.107270	.507256
20	.094519	.741220	20	.101620	.679346	20	.105738	.612994
21	.078765	.819985	21	.088943	.768289	21	.097106	.710100
22	.061262	.881247	22	.072658	.840947	22	.083234	.793334
23	.044541	.925788	23	.055483	.896430	23	.066690	.860024
24	.030312	.956100	24	.039659	.936089	24	.050018	.910042
25	.019333	.975433	25	.026566	.962654	25	.035155	.945198
26	.011567	.986999	26	.016694	.979348	26	.023179	.968377
27	.006497	.993496	27	.009849	.989197	27	.014349	.982726
28	.003429	.996926	28	.005460	.994656	28	.008346	.991072
29	.001701	.998627	29	.002845	.997502	29	.004564	.995635
30	.000794	.999421	30	.001395	.998896	30	.002347	.997982
31	.000349	.999770	31	.000643	.999539	31	.001136	.999118
32	.000144	.999914	32	.000279	.999818	32	.000517	.999635
33	.000056	.999970	33	.000114	.999932	33	.000222	.999857
34	.000021	.999990	34	.000044	.999976	34	.000089	.999946
35	.000007	.999997	35	.000016	.999992	35	.000034	.999980
36	.000002	.999999	36	.000005	.999997	36	.000012	.999992
37	.000001	1.000000	37	.000002	.999999	37	.000004	.999996
			38	.000001	1.000000	38	.000001	.999998
			39	.000000	1.000000	39	.000000	.999998

n=

65

## 50-100 BINOMIAL TABLES

p=.31

x	Individual Term	Cumulative (x or less)
4	.000001	.000001
5	.000005	.000006
6	.000023	.000029
7	.000086	.000115
8	.000281	.000396
9	.000799	.001195
10	.002010	.003205
11	.004515	.007720
12	.009129	.016849
13	.016721	.033570
14	.027903	.061472
15	.042622	.104094
16	.059841	.163935
17	.077492	.241427
18	.092841	.334268
19	.103180	.437448
20	.106619	.544067
21	.102646	.646713
22	.092232	.738945
23	.077471	.816416
24	.060910	.877326
25	.044879	.922205
26	.031020	.953225
27	.020131	.973356
28	.012274	.985630
29	.007036	.992666
30	.003793	.996459
31	.001924	.998383
32	.000918	.999302
33	.000413	.999714
34	.000174	.999889
35	.000069	.999958
36	.000026	.999984
37	.000009	.999993
38	.000003	.999996
39	.000001	.999997
40	.000000	.999997
41	.000000	.999998

p=.32

x	Individual Term	Cumulative (x or less)
4	.000000	.000000
5	.000002	.000003
6	.000012	.000015
7	.000046	.000061
8	.000157	.000218
9	.000469	.000688
10	.001237	.001925
11	.002911	.004635
12	.006164	.010599
13	.011825	.022824
14	.020670	.043494
15	.033071	.076565
16	.048634	.125199
17	.065967	.191167
18	.082763	.273949
19	.096366	.370315
20	.104302	.474618
21	.105179	.579796
22	.098992	.678788
23	.087092	.763880
24	.071723	.837603
25	.055353	.892956
26	.040075	.933031
27	.027240	.960271
28	.017397	.977669
29	.010445	.988114
30	.005899	.994013
31	.003134	.997147
32	.001567	.998714
33	.000737	.999451
34	.000327	.999778
35	.000136	.999914
36	.000053	.999967
37	.000020	.999987
38	.000007	.999994
39	.000002	.999996
40	.000001	.999997
41	.000000	.999997

p=.33

x	Individual Term	Cumulative (x or less)
5	.000001	.000001
6	.000006	.000007
7	.000024	.000031
8	.000087	.000118
9	.000270	.000388
10	.000745	.001133
11	.001835	.002968
12	.004066	.007034
13	.008165	.015199
14	.014938	.030137
15	.025015	.055152
16	.038503	.093655
17	.054661	.148317
18	.071794	.220111
19	.087472	.307583
20	.099092	.406675
21	.104585	.511260
22	.103024	.614284
23	.094868	.709152
24	.081770	.790922
25	.066051	.856973
26	.050050	.907023
27	.035608	.942631
28	.023802	.966433
29	.014957	.981390
30	.008840	.990231
31	.004916	.995147
32	.002573	.997720
33	.001267	.998987
34	.000587	.999574
35	.000256	.999830
36	.000105	.999936
37	.000041	.999976
38	.000015	.999991
39	.000005	.999996
40	.000002	.999997
41	.000000	.999998

## 50-100 BINOMIAL TABLES

n=

65

p=.34

p=.35

p=.36

x	Individual Term	Cumulative (x or less)
5	.000001	.000001
6	.000003	.000004
7	.000012	.000016
8	.000047	.000063
9	.000152	.000215
10	.000439	.000654
11	.001131	.001785
12	.002622	.004407
13	.005507	.009914
14	.010537	.020451
15	.018456	.038907
16	.029711	.068618
17	.044117	.112735
18	.060605	.173340
19	.077230	.250569
20	.091506	.342075
21	.101013	.443087
22	.104074	.547161
23	.100234	.647395
24	.090363	.737758
25	.076343	.814100
26	.060505	.874605
27	.045022	.919627
28	.031476	.951103
29	.020688	.971792
30	.012789	.984581
31	.007438	.992019
32	.004071	.996091
33	.002097	.998188
34	.001017	.999205
35	.000464	.999669
36	.000199	.999868
37	.000080	.999949
38	.000031	.999979
39	.000011	.999990
40	.000004	.999994
41	.000001	.999995
42	.000000	.999995

x	Individual Term	Cumulative (x or less)
6	.000001	.000002
7	.000006	.000008
8	.000025	.000033
9	.000084	.000117
10	.000253	.000370
11	.000682	.001052
12	.001653	.002705
13	.003629	.006334
14	.007258	.013592
15	.013288	.026880
16	.022359	.049239
17	.034702	.083590
18	.049828	.133768
19	.066370	.200139
20	.082197	.282336
21	.094843	.377178
22	.102138	.479317
23	.108282	.582138
24	.096889	.679028
25	.085561	.764589
26	.070879	.835467
27	.055128	.890595
28	.040286	.930581
29	.027676	.958558
30	.017883	.976441
31	.010872	.987313
32	.006220	.993533
33	.003349	.996882
34	.001697	.998580
35	.000810	.999389
36	.000363	.999752
37	.000153	.999906
38	.000061	.999966
39	.000023	.999989
40	.000008	.999997
41	.000003	1.000000
42	.000001	1.000001
43	.000000	1.000001
44	.000000	.999998

x	Individual Term	Cumulative (x or less)
6	.000001	.000001
7	.000003	.000004
8	.000013	.000017
9	.000045	.000062
10	.000143	.000205
11	.000403	.000608
12	.001019	.001627
13	.002337	.003964
14	.004883	.008847
15	.009339	.018186
16	.016416	.034602
17	.026615	.061217
18	.039923	.101141
19	.055551	.156692
20	.071869	.228561
21	.086628	.315189
22	.097456	.412645
23	.102488	.515133
24	.100887	.616020
25	.093068	.709087
26	.080540	.789627
27	.065438	.855065
28	.049955	.905020
29	.035851	.940872
30	.024200	.965072
31	.015369	.980440
32	.009185	.989626
33	.005167	.994792
34	.002735	.997528
35	.001363	.998890
36	.000639	.999529
37	.000282	.999811
38	.000117	.999927
39	.000045	.999973
40	.000017	.999990
41	.000006	.999995
42	.000002	.999997
43	.000001	.999998
44	.000000	.999998

n=

65

## 50-100 BINOMIAL TABLES

p=.37

x	Individual Term	Cumulative (x or less)
7	.000002	.000002
8	.000006	.000008
9	.000024	.000032
10	.000079	.000112
11	.000233	.000344
12	.000615	.000959
13	.001471	.002430
14	.003210	.005640
15	.006409	.012049
16	.011763	.023812
17	.019913	.043725
18	.031186	.074911
19	.045307	.120218
20	.061200	.181418
21	.077021	.258438
22	.090469	.348907
23	.099334	.448241
24	.102094	.550335
25	.098334	.648669
26	.088849	.737518
27	.075373	.812891
28	.060076	.872967
29	.045016	.917982
30	.031725	.949708
31	.021037	.970744
32	.013127	.983871
33	.007710	.991581
34	.004261	.995842
35	.002217	.998059
36	.001085	.999144
37	.000499	.999643
38	.000216	.999859
39	.000088	.999947
40	.000034	.999981
41	.000012	.999993
42	.000004	.999997
43	.000001	.999998
44	.000000	.999999

p=.38

x	Individual Term	Cumulative (x or less)
7	.000001	.000001
8	.000003	.000004
9	.000012	.000017
10	.000043	.000059
11	.000131	.000191
12	.000362	.000553
13	.000906	.001459
14	.002062	.003521
15	.004296	.007817
16	.008229	.016046
17	.014537	.030583
18	.023759	.054342
19	.036022	.090365
20	.050780	.141144
21	.066692	.207837
22	.081732	.289589
23	.093676	.383265
24	.100476	.483741
25	.100994	.584735
26	.095230	.679965
27	.084308	.764273
28	.070127	.834400
29	.054838	.889238
30	.040332	.929570
31	.027909	.957479
32	.018175	.975654
33	.011139	.986794
34	.006426	.993220
35	.003488	.996708
36	.001782	.998490
37	.000856	.999346
38	.000387	.999732
39	.000164	.999896
40	.000065	.999961
41	.000024	.999986
42	.000009	.999994
43	.000003	.999997
44	.000001	.999998
45	.000000	.999998

p=.39

x	Individual Term	Cumulative (x or less)
8	.000002	.000002
9	.000006	.000008
10	.000023	.000031
11	.000073	.000104
12	.000209	.000313
13	.000545	.000858
14	.001294	.002152
15	.002813	.004965
16	.005621	.010586
17	.010358	.020944
18	.017660	.038604
19	.027930	.066534
20	.041070	.107604
21	.056267	.163872
22	.071948	.235820
23	.086000	.321820
24	.096221	.418040
25	.100890	.518930
26	.099236	.618167
27	.091644	.709811
28	.079518	.789329
29	.064864	.854193
30	.049765	.903957
31	.035922	.939879
32	.024402	.964281
33	.015601	.979882
34	.009388	.989270
35	.005316	.994586
36	.002832	.997419
37	.001419	.998838
38	.000669	.999507
39	.000296	.999803
40	.000123	.999926
41	.000048	.999973
42	.000018	.999991
43	.000006	.999997
44	.000002	.999999
45	.000001	.999999
46	.000000	1.000000

## 50-100 BINOMIAL TABLES

n=65

p=.40

p=.41

p=.42

x	Individual Term	Cumulative (x or less)
8	.000001	.000001
9	.000003	.000004
10	.000012	.000016
11	.000039	.000055
12	.000118	.000173
13	.000321	.000494
14	.000794	.001288
15	.001800	.003088
16	.003750	.006537
17	.007205	.014042
18	.012809	.026351
19	.021123	.047974
20	.032389	.080363
21	.046270	.126634
22	.061693	.188327
23	.076893	.265220
24	.089709	.354929
25	.098082	.453011
26	.100597	.553608
27	.096871	.650478
28	.087645	.738123
29	.074549	.812672
30	.059639	.872311
31	.044889	.917200
32	.031797	.948997
33	.021198	.970195
34	.013301	.983495
35	.007854	.991349
36	.004363	.995712
37	.002280	.997992
38	.001120	.999112
39	.000517	.999629
40	.000224	.999853
41	.000091	.999944
42	.000035	.999979
43	.000012	.999991
44	.000004	.999995
45	.000001	.999997
46	.000000	.999997

x	Individual Term	Cumulative (x or less)
9	.000002	.000002
10	.000006	.000008
11	.000021	.000029
12	.000065	.000094
13	.000184	.000278
14	.000476	.000754
15	.001125	.001879
16	.002443	.004322
17	.004893	.009215
18	.009067	.018282
19	.015587	.033869
20	.024912	.058781
21	.037097	.095878
22	.051558	.147436
23	.066984	.214420
24	.081459	.295879
25	.092836	.388715
26	.099251	.487966
27	.099625	.587590
28	.093956	.681546
29	.083303	.764849
30	.069466	.834315
31	.054502	.888817
32	.040241	.929058
33	.027964	.957023
34	.018290	.975312
35	.011257	.986570
36	.006519	.993089
37	.003551	.996639
38	.001818	.998457
39	.000875	.999332
40	.000395	.999727
41	.000167	.999895
42	.000066	.999961
43	.000025	.999986
44	.000009	.999994
45	.000003	.999997
46	.000001	.999998
47	.000000	.999998

x	Individual Term	Cumulative (x or less)
9	.000001	.000001
10	.000003	.000004
11	.000011	.000015
12	.000035	.000050
13	.000104	.000154
14	.000279	.000433
15	.000687	.001119
16	.001554	.002674
17	.003244	.005918
18	.006265	.012183
19	.011223	.023406
20	.018691	.042097
21	.029004	.071101
22	.042005	.113106
23	.056868	.169974
24	.072065	.242039
25	.085584	.327623
26	.095345	.422968
27	.099729	.522697
28	.098009	.620706
29	.090551	.711257
30	.078686	.789943
31	.064331	.854274
32	.049496	.903771
33	.035842	.939613
34	.024428	.964041
35	.015668	.979708
36	.009455	.989163
37	.005366	.994529
38	.002863	.997392
39	.001435	.998828
40	.000676	.999503
41	.000298	.999802
42	.000123	.999925
43	.000048	.999973
44	.000017	.999990
45	.000006	.999996
46	.000002	.999998
47	.000001	.999998
48	.000000	.999998

n=

55

## 50-100 BINOMIAL TABLES

p=.43

x	Individual Term	Cumulative (x or less)
10	.000001	.000002
11	.000005	.000007
12	.000019	.000026
13	.000057	.000083
14	.000160	.000243
15	.000410	.000652
16	.000966	.001618
17	.002100	.003719
18	.004225	.007944
19	.007885	.015829
20	.013681	.029511
21	.022117	.051627
22	.033369	.084996
23	.047063	.132059
24	.062131	.194189
25	.076868	.271057
26	.089212	.360269
27	.097212	.457481
28	.099526	.557007
29	.095793	.652800
30	.086718	.739518
31	.073860	.813378
32	.059201	.872580
33	.044661	.917240
34	.031710	.946950
35	.021187	.970137
36	.013320	.983457
37	.007876	.991333
38	.004378	.995710
39	.002286	.997997
40	.001121	.999118
41	.000516	.999633
42	.000222	.999856
43	.000090	.999945
44	.000034	.999979
45	.000012	.999991
46	.000004	.999995
47	.000001	.999996
48	.000000	.999996
49	.000000	.999997

p=.44

x	Individual Term	Cumulative (x or less)
10	.000001	.000001
11	.000003	.000004
12	.000010	.000013
13	.000031	.000044
14	.000089	.000133
15	.000239	.000372
16	.000586	.000958
17	.001328	.002286
18	.002782	.005067
19	.005406	.010474
20	.009770	.020244
21	.016450	.036694
22	.025850	.062544
23	.037572	.100516
24	.052212	.152728
25	.067279	.220007
26	.081326	.301333
27	.092298	.393631
28	.098420	.492051
29	.098662	.590713
30	.093025	.683738
31	.082522	.766260
32	.068891	.835150
33	.054129	.889279
34	.040028	.929307
35	.027856	.957163
36	.018239	.975402
37	.011232	.986634
38	.006503	.993137
39	.003537	.996675
40	.001807	.998481
41	.000865	.999347
42	.000389	.999735
43	.000163	.999898
44	.000064	.999963
45	.000024	.999986
46	.000008	.999994
47	.000003	.999997
48	.000001	.999998
49	.000000	.999998

p=.45

x	Individual Term	Cumulative (x or less)
11	.000001	.000002
12	.000005	.000007
13	.000016	.000023
14	.000049	.000071
15	.000136	.000207
16	.000347	.000555
17	.000819	.001374
18	.001787	.003161
19	.003617	.006778
20	.006807	.013586
21	.011935	.025520
22	.019529	.045050
23	.029873	.074922
24	.042773	.117695
25	.057393	.175088
26	.072243	.247331
27	.085378	.332709
28	.094803	.427512
29	.098964	.526476
30	.097164	.623640
31	.089756	.713396
32	.078026	.791422
33	.063840	.855262
34	.049160	.904422
35	.035625	.940047
36	.024290	.964337
37	.015577	.979913
38	.009391	.989304
39	.005319	.994623
40	.002829	.997452
41	.001411	.998863
42	.000660	.999523
43	.000289	.999812
44	.000118	.999930
45	.000045	.999975
46	.000016	.999991
47	.000005	.999996
48	.000002	.999998
49	.000000	.999998

## 50-100 BINOMIAL TABLES

n-  
65

p=.46

p=.47

p=.48

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
11	.000001	.000001	12	.000001	.000002	12	.000001	.000001
12	.000002	.000003	13	.000004	.000006	13	.000002	.000003
13	.000008	.000011	14	.000014	.000019	14	.000007	.000010
14	.000026	.000037	15	.000041	.000060	15	.000022	.000031
15	.000075	.000113	16	.000113	.000174	16	.000062	.000094
16	.000201	.000314	17	.000290	.000463	17	.000166	.000260
17	.000493	.000807	18	.000686	.001149	18	.000409	.000669
18	.001121	.001928	19	.001504	.002653	19	.000934	.001603
19	.002361	.004289	20	.003067	.005720	20	.001983	.003586
20	.004627	.008516	21	.005829	.011549	21	.003923	.007509
21	.008446	.017361	22	.010338	.021887	22	.007242	.018751
22	.014389	.031750	23	.017139	.039026	23	.012498	.027249
23	.022915	.054665	24	.026598	.065625	24	.020189	.047439
24	.034161	.088826	25	.036883	.104308	25	.030563	.078002
25	.047724	.136550	26	.052775	.157083	26	.043404	.121406
26	.062544	.199094	27	.067601	.224683	27	.057872	.179277
27	.076957	.276051	28	.081358	.306041	28	.072498	.251776
28	.088969	.365021	29	.092050	.398091	29	.085383	.337159
29	.096696	.461716	30	.097955	.496046	30	.094578	.431737
30	.098845	.560561	31	.098074	.594120	31	.098567	.530304
31	.095066	.655627	32	.092407	.686528	32	.096672	.626976
32	.086043	.741670	33	.081946	.768474	33	.089236	.716212
33	.073296	.814966	34	.068395	.836868	34	.077526	.793738
34	.058765	.873730	35	.053720	.890588	35	.063384	.857121
35	.044338	.918068	36	.039699	.930287	36	.048757	.905878
36	.031474	.949542	37	.027593	.957880	37	.035275	.941153
37	.021014	.970557	38	.018030	.975910	38	.023993	.965146
38	.013190	.983747	39	.011069	.986979	39	.015333	.980479
39	.007779	.991526	40	.006380	.993359	40	.009200	.989679
40	.004307	.995833	41	.003450	.996810	41	.005178	.994857
41	.002237	.998070	42	.001748	.998558	42	.002731	.997588
42	.001089	.999159	43	.000829	.999387	43	.001349	.998936
43	.000496	.999656	44	.000368	.999755	44	.000622	.999559
44	.000211	.999867	45	.000152	.999907	45	.000268	.999827
45	.000084	.999951	46	.000059	.999966	46	.000108	.999935
46	.000031	.999982	47	.000021	.999987	47	.000040	.999975
47	.000011	.999993	48	.000007	.999994	48	.000014	.999989
48	.000003	.999996	49	.000002	.999996	49	.000004	.999993
49	.000001	.999997	50	.000001	.999997	50	.000001	.999994
50	.000000	.999997	51	.000000	.999997	51	.000000	.999995

n =

65

## 50-100 BINOMIAL TABLES

p = .49

x	Individual Term	Cumulative (x or less)
13	.000001	.000001
14	.000003	.000005
15	.000011	.000016
16	.000034	.000049
17	.000093	.000142
18	.000238	.000380
19	.000566	.000946
20	.001250	.002196
21	.002574	.004770
22	.004946	.009716
23	.008884	.018600
24	.014938	.033538
25	.023537	.057075
26	.034791	.091865
27	.048282	.140147
28	.062956	.203104
29	.077174	.280277
30	.088977	.369254
31	.096518	.465771
32	.098529	.564300
33	.094665	.658965
34	.085602	.744567
35	.072846	.817413
36	.058324	.875737
37	.043921	.919658
38	.031094	.950751
39	.020682	.971434
40	.012916	.984350
41	.007567	.991917
42	.004154	.996071
43	.002135	.998206
44	.001026	.999232
45	.000460	.999692
46	.000192	.999884
47	.000075	.999958
48	.000027	.999985
49	.000009	.999994
50	.000003	.999997
51	.000001	.999998
52	.000000	.999998

p = .50

x	Individual Term	Cumulative (x or less)
13	.000000	.000001
14	.000002	.000002
15	.000006	.000008
16	.000018	.000025
17	.000051	.000076
18	.000135	.000211
19	.000334	.000545
20	.000768	.001313
21	.001646	.002959
22	.003292	.006291
23	.006155	.012406
24	.010771	.023177
25	.017664	.040841
26	.027175	.068016
27	.039253	.107270
28	.053272	.160542
29	.067968	.228511
30	.081562	.310073
31	.092086	.402159
32	.097841	.500000
33	.097841	.597842
34	.092086	.689928
35	.081562	.771490
36	.067968	.839458
37	.053272	.892731
38	.039253	.931984
39	.027175	.959159
40	.017664	.976823
41	.010771	.987594
42	.006155	.993749
43	.003292	.997041
44	.001646	.998687
45	.000768	.999455
46	.000334	.999789
47	.000135	.999924
48	.000051	.999975
49	.000018	.999992
50	.000006	.999998
51	.000002	1.000000
52	.000000	1.000000

50-100 BINOMIAL TABLES

n-

70

p=.01

x	Individual Term	Cumulative (x or less)
0	.494839	.494839
1	.349886	.844725
2	.121930	.966654
3	.027917	.994571
4	.004723	.999294
5	.000630	.999924
6	.000069	.999993
7	.000006	.999999
8	.000001	1.000000
9	.000000	1.000000

p=.02

x	Individual Term	Cumulative (x or less)
0	.243123	.243123
1	.347318	.590440
2	.244540	.834981
3	.113121	.948101
4	.038669	.986770
5	.010417	.997187
6	.002303	.999490
7	.000430	.999920
8	.000069	.999989
9	.000010	.999998
10	.000001	1.000000
11	.000000	1.000000

p=.03

x	Individual Term	Cumulative (x or less)
0	.118583	.118583
1	.256725	.375308
2	.273928	.649326
3	.192032	.841269
4	.099481	.940749
5	.040613	.981362
6	.013607	.994969
7	.003848	.998817
8	.000937	.999754
9	.000200	.999954
10	.000038	.999992
11	.000006	.999998
12	.000001	.999999
13	.000000	.999999

p=.04

x	Individual Term	Cumulative (x or less)
0	.057410	.057410
1	.167445	.224855
2	.240703	.465558
3	.227330	.692888
4	.158658	.851546
5	.087262	.938808
6	.039389	.978197
7	.015005	.993202
8	.004924	.998126
9	.001413	.999539
10	.000359	.999898
11	.000082	.999980
12	.000017	.999996
13	.000003	1.000000
14	.000001	1.000001
15	.000000	1.000001

p=.05

x	Individual Term	Cumulative (x or less)
0	.027584	.027584
1	.101624	.129208
2	.184528	.313736
3	.220139	.533874
4	.194070	.727944
5	.134827	.862771
6	.076875	.939646
7	.036993	.976639
8	.015332	.991971
9	.005559	.997530
10	.001785	.999315
11	.000512	.999827
12	.000133	.999960
13	.000031	.999991
14	.000007	.999998
15	.000001	.999999
16	.000000	.999999

p=.06

x	Individual Term	Cumulative (x or less)
0	.013151	.013151
1	.058759	.071909
2	.129394	.201303
3	.187208	.388511
4	.200153	.588665
5	.168640	.757305
6	.116613	.873917
7	.068054	.941971
8	.034208	.976179
9	.015042	.991221
10	.005857	.997077
11	.002039	.999116
12	.000640	.999756
13	.000182	.999938
14	.000047	.999986
15	.000011	.999997
16	.000002	1.000000
17	.000001	1.000001
18	.000000	1.000001

n=

70

## 50-100 BINOMIAL TABLES

p=.07

x	Individual Term	Cumulative (x or less)
0	.006220	.006220
1	.032773	.038993
2	.085105	.124098
3	.145197	.269295
4	.183057	.452352
5	.181876	.634228
6	.148304	.782532
7	.102059	.884591
8	.060494	.945085
9	.031367	.976453
10	.014402	.990855
11	.005913	.996768
12	.002188	.998956
13	.000735	.999691
14	.000225	.999916
15	.000063	.999979
16	.000016	.999995
17	.000004	.999999
18	.000001	1.000001
19	.000000	1.000001

p=.08

x	Individual Term	Cumulative (x or less)
0	.002918	.002918
1	.017764	.020683
2	.053293	.073976
3	.105041	.179017
4	.152995	.332011
5	.175611	.507622
6	.165431	.673053
7	.131523	.804576
8	.090064	.894640
9	.053952	.948592
10	.028618	.977210
11	.013574	.990783
12	.005803	.996586
13	.002251	.998838
14	.000797	.999635
15	.000259	.999894
16	.000077	.999971
17	.000021	.999992
18	.000005	.999998
19	.000001	.999999
20	.000000	1.000000

p=.09

x	Individual Term	Cumulative (x or less)
0	.001358	.001358
1	.009401	.010759
2	.032079	.042838
3	.071913	.114751
4	.119130	.233881
5	.155524	.389405
6	.166632	.556037
7	.150675	.706713
8	.117353	.824066
9	.079955	.904020
10	.048236	.952257
11	.026022	.978279
12	.012653	.990932
13	.005583	.996515
14	.002248	.998763
15	.000830	.999594
16	.000282	.999876
17	.000089	.999964
18	.000026	.999990
19	.000007	.999997
20	.000002	.999999
21	.000000	.999999
22	.000000	1.000000

## 50-100 BINOMIAL TABLES

n=

70

p=10

p=11

p=12

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
0	.000627	.000627	0	.000287	.000287	0	.000130	.000130
1	.004873	.005500	1	.002480	.002766	1	.001240	.001370
2	.018681	.024181	2	.010574	.013340	2	.005836	.007206
3	.047049	.071231	3	.029622	.042962	3	.018038	.025244
4	.087564	.158795	4	.061324	.104286	4	.041200	.066445
5	.128427	.287222	5	.100048	.204334	5	.074161	.140605
6	.154588	.441810	6	.133959	.338293	6	.109555	.250161
7	.157042	.598851	7	.151376	.489668	7	.136589	.386749
8	.137412	.736263	8	.147336	.637004	8	.146677	.533427
9	.105179	.841442	9	.125447	.762452	9	.137788	.671214
10	.071288	.912730	10	.094579	.857031	10	.114615	.785829
11	.043205	.955935	11	.063761	.920792	11	.085250	.871079
12	.023603	.979538	12	.038746	.959538	12	.057157	.928236
13	.011700	.991238	13	.021366	.980903	13	.034774	.963009
14	.005293	.996531	14	.010751	.991655	14	.019306	.982316
15	.002196	.998727	15	.004961	.996616	15	.009829	.992144
16	.000839	.999566	16	.002108	.998723	16	.004607	.996751
17	.000296	.999862	17	.000827	.999551	17	.001996	.998747
18	.000097	.999958	18	.000301	.999852	18	.000801	.999548
19	.000029	.999988	19	.000102	.999954	19	.000299	.999847
20	.000008	.999996	20	.000032	.999986	20	.000104	.999951
21	.000002	.999998	21	.000009	.999995	21	.000034	.999985
22	.000001	.999999	22	.000003	.999998	22	.000010	.999995
23	.000000	.999999	23	.000001	.999999	23	.000003	.999998
			24	.000000	.999999	24	.000001	.999999
						25	.000000	.999999

**n=**  
**70**

50-100 BINOMIAL TABLES

p=.13			p=.14			p=.15		
x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
0	.000058	.000058	0	.000026	.000026	0	.000011	.000011
1	.000611	.000669	1	.000296	.000322	1	.000142	.000153
2	.003149	.003818	2	.001664	.001986	2	.000862	.001015
3	.010664	.014482	3	.006139	.006125	3	.003449	.004464
4	.026691	.041173	4	.016739	.024864	4	.010194	.014658
5	.052646	.093818	5	.035969	.060833	5	.023745	.038403
6	.085221	.179039	6	.063434	.124267	6	.045396	.083799
7	.116427	.295466	7	.094414	.218681	7	.073243	.157042
8	.137002	.432469	8	.121036	.359718	8	.101787	.258829
9	.141027	.573495	9	.135736	.475454	9	.123741	.382569
10	.128545	.702040	10	.134789	.610242	10	.133203	.515772
11	.104770	.806810	11	.119686	.729928	11	.128217	.643989
12	.076972	.883782	12	.095795	.825723	12	.111247	.755236
13	.051315	.935097	13	.069576	.895299	13	.087588	.842824
14	.031218	.966315	14	.046114	.941413	14	.062931	.905755
15	.017415	.983731	15	.028026	.969439	15	.041460	.947216
16	.008945	.992676	16	.015683	.985122	16	.025151	.972366
17	.004246	.996922	17	.008110	.993232	17	.014098	.986465
18	.001868	.998790	18	.003687	.997119	18	.007326	.993790
19	.000764	.999554	19	.001732	.998851	19	.003538	.997328
20	.000291	.999845	20	.000719	.999570	20	.001592	.998920
21	.000104	.999949	21	.000279	.999848	21	.000669	.999589
22	.000034	.999983	22	.000101	.999949	22	.000263	.999852
23	.000011	.999994	23	.000034	.999984	23	.000097	.999949
24	.000003	.999997	24	.000011	.999994	24	.000033	.999983
25	.000001	.999998	25	.000003	.999998	25	.000011	.999993
26	.000000	.999998	26	.000001	.999999	26	.000003	.999997
			27	.000000	.999999	27	.000001	.999998
						28	.000000	.999998

50-100 BINOMIAL TABLES

**n=**

**70**

**p=.16**

**p=.17**

**p=.18**

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
0	.000005	.000005	0	.000002	.000002	0	.000001	.000001
1	.000067	.000072	1	.000031	.000033	1	.000014	.000015
2	.000439	.000510	2	.000219	.000253	2	.000108	.000123
3	.001894	.002404	3	.001018	.001271	3	.000537	.000660
4	.006043	.008447	4	.003494	.004764	4	.001973	.002633
5	.015193	.023640	5	.009445	.014210	5	.005717	.008349
6	.031351	.054991	6	.020958	.035168	6	.013595	.021944
7	.054597	.109589	7	.039246	.074414	7	.027285	.049229
8	.081896	.191485	8	.063302	.137716	8	.047166	.096395
9	.107462	.298946	9	.089318	.227035	9	.071324	.167719
10	.124860	.423806	10	.111594	.338629	10	.095504	.263223
11	.129725	.553531	11	.124673	.463302	11	.114351	.377574
12	.121488	.675019	12	.125549	.588850	12	.123415	.500989
13	.103243	.778261	13	.114727	.703578	13	.120868	.621857
14	.080066	.858327	14	.095.672	.799250	14	.108023	.729881
15	.056936	.915263	15	.073156	.872406	15	.088526	.818407
16	.037279	.952542	16	.051507	.923913	16	.066800	.885207
17	.022556	.975098	17	.033511	.957424	17	.046578	.931785
18	.012650	.987748	18	.020210	.977633	18	.030105	.961890
19	.006595	.994342	19	.011329	.988962	19	.018086	.979976
20	.003203	.997545	20	.005917	.994878	20	.010124	.990100
21	.001453	.998998	21	.002885	.997764	21	.005291	.995391
22	.000616	.999614	22	.001316	.999080	22	.002587	.997978
23	.000245	.999859	23	.000563	.999643	23	.001185	.999163
24	.000091	.999951	24	.000226	.999868	24	.000509	.999673
25	.000032	.999983	25	.000085	.999954	25	.000206	.999879
26	.000011	.999993	26	.000030	.999984	26	.000078	.999957
27	.000003	.999997	27	.000010	.999994	27	.000028	.999985
28	.000001	.999998	28	.000003	.999997	28	.000009	.999994
29	.000000	.999998	29	.000001	.999998	29	.000003	.999997
			30	.000000	.999998	30	.000001	.999998
						31	.000000	.999998

**n=**  
**70**

**50-100 BINOMIAL TABLES**

**p=.19**

x	Individual Term	Cumulative (x or less)
1	.000006	.000007
2	.000052	.000059
3	.000277	.000336
4	.001090	.001426
5	.003374	.004801
6	.008575	.013375
7	.018389	.031765
8	.033969	.065734
9	.054892	.120626
10	.078542	.199168
11	.100492	.299660
12	.115897	.415556
13	.121290	.536846
14	.115835	.652681
15	.101439	.754120
16	.081793	.835912
17	.060944	.896856
18	.042092	.938948
19	.027022	.965971
20	.016163	.982134
21	.009027	.991161
22	.004716	.995877
23	.002309	.998186
24	.001061	.999246
25	.000458	.999704
26	.000186	.999890
27	.000071	.999961
28	.000026	.999986
29	.000009	.999995
30	.000003	.999998
31	.000001	.999999
32	.000000	.999999

**p=.20**

x	Individual Term	Cumulative (x or less)
1	.000003	.000003
2	.000025	.000028
3	.000141	.000169
4	.000589	.000758
5	.001945	.002703
6	.005267	.007970
7	.012040	.020010
8	.023703	.043713
9	.040822	.084535
10	.062254	.146789
11	.084892	.231681
12	.104346	.336027
13	.116386	.452413
14	.118464	.570877
15	.110567	.681444
16	.095018	.776462
17	.075456	.851917
18	.055544	.907461
19	.038004	.945465
20	.024227	.969692
21	.014421	.984113
22	.008030	.992143
23	.004190	.996332
24	.002051	.998384
25	.000944	.999327
26	.000408	.999735
27	.000166	.999902
28	.000064	.999965
29	.000023	.999989
30	.000008	.999996
31	.000003	.999999
32	.000001	1.000000
33	.000000	1.000000

**p=.21**

x	Individual Term	Cumulative (x or less)
1	.000001	.000001
2	.000012	.000013
3	.000070	.000083
4	.000312	.000395
5	.001096	.001491
6	.003156	.004647
7	.007670	.012317
8	.016055	.028372
9	.029401	.057773
10	.047674	.105448
11	.069125	.174573
12	.090344	.264917
13	.107146	.372062
14	.115962	.488024
15	.115081	.603105
16	.105157	.708262
17	.088792	.797054
18	.069498	.866552
19	.050561	.917112
20	.034272	.951385
21	.021691	.973076
22	.012843	.985919
23	.007125	.993043
24	.003709	.996752
25	.001814	.998566
26	.000835	.999401
27	.000362	.999762
28	.000148	.999910
29	.000057	.999966
30	.000021	.999987
31	.000007	.999994
32	.000002	.999996
33	.000001	.999997
34	.000000	.999997

## 50-100 BINOMIAL TABLES

n=

70

p=.22

p=.23

p=.24

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
1	.000001	.000001	2	.000002	.000003	2	.000001	.000001
2	.000005	.000006	3	.000017	.000019	3	.000008	.000009
3	.000034	.000040	4	.000083	.000102	4	.000041	.000050
4	.000162	.000203	5	.000326	.000428	5	.000173	.000223
5	.000604	.000807	6	.001055	.001484	6	.000590	.000813
6	.001846	.002653	7	.002882	.004366	7	.001704	.002517
7	.004761	.007413	8	.006780	.011146	8	.004238	.006755
8	.010574	.017987	9	.013952	.025098	9	.009219	.015973
9	.020545	.038533	10	.025421	.050518	10	.017758	.033731
10	.035348	.073881	11	.041417	.091936	11	.030588	.064319
11	.054382	.128263	12	.060826	.152762	12	.047492	.111811
12	.075415	.203678	13	.081061	.233823	13	.066912	.178723
13	.094900	.298578	14	.098582	.332405	14	.086029	.264752
14	.108979	.407558	15	.109934	.442339	15	.101424	.366176
15	.114754	.522312	16	.112878	.555217	16	.110098	.476274
16	.111260	.633572	17	.107101	.662318	17	.110439	.586713
17	.099681	.733253	18	.094196	.765614	18	.102689	.689402
18	.082783	.816036	19	.077005	.833519	19	.088751	.778153
19	.063903	.879939	20	.058654	.892173	20	.071468	.849620
20	.045961	.925900	21	.041714	.933887	21	.053735	.903355
21	.030865	.956765	22	.027752	.961639	22	.037794	.941150
22	.019390	.976155	23	.017300	.978939	23	.024908	.966058
23	.011413	.987568	24	.010120	.989059	24	.015404	.981461
24	.006304	.993872	25	.005562	.994621	25	.008950	.990411
25	.003272	.997144	26	.002875	.997496	26	.004892	.995303
26	.001597	.998741	27	.001400	.998896	27	.002517	.997821
27	.000734	.999475	28	.000642	.999538	28	.001221	.999042
28	.000318	.999793	29	.000278	.999816	29	.000558	.999600
29	.000130	.999923	30	.000113	.999929	30	.000241	.999841
30	.000050	.999973	31	.000044	.999973	31	.000098	.999939
31	.000018	.999991	32	.000016	.999989	32	.000038	.999977
32	.000006	.999998	33	.000005	.999994	33	.000014	.999991
33	.000002	1.000000	34	.000002	.999996	34	.000005	.999996
34	.000001	1.000001	35	.000001	.999997	35	.000002	.999997
35	.000000	1.000001	36	.000000	.999997	36	.000000	.999998

n=

70

## 50-100 BINOMIAL TABLES

p=.25

x	Individual Term	Cumulative (x or less)
2	.000000	.000001
3	.000004	.000004
4	.000020	.000024
5	.000089	.000114
6	.000323	.000437
7	.000984	.001421
8	.002584	.004005
9	.005934	.009939
10	.012065	.022005
11	.021937	.043942
12	.035953	.079894
13	.053468	.133362
14	.072564	.205926
15	.090301	.296227
16	.103470	.399697
17	.109557	.509254
18	.107528	.616781
19	.098096	.714877
20	.083381	.798258
21	.066176	.864434
22	.049130	.913564
23	.034178	.947742
24	.022310	.970052
25	.013684	.983736
26	.007894	.991630
27	.004288	.995918
28	.002195	.998114
29	.001060	.999173
30	.000483	.999656
31	.000208	.999864
32	.000084	.999948
33	.000032	.999981
34	.000012	.999992
35	.000004	.999996
36	.000001	.999998
37	.000000	.999998

p=.26

x	Individual Term	Cumulative (x or less)
2	.000000	.000000
3	.000002	.000002
4	.000010	.000012
5	.000045	.000057
6	.000173	.000230
7	.000556	.000786
8	.001539	.002325
9	.003724	.006049
10	.007982	.014031
11	.015297	.029328
12	.026425	.055753
13	.041423	.097176
14	.059256	.156432
15	.077726	.234158
16	.093876	.328034
17	.104771	.432805
18	.108389	.541193
19	.104226	.645419
20	.093381	.738800
21	.078118	.816918
22	.061131	.878049
23	.044825	.922874
24	.030842	.953716
25	.019939	.973655
26	.012125	.985781
27	.006943	.992723
28	.003746	.996469
29	.001906	.998375
30	.000915	.999291
31	.000415	.999706
32	.000178	.999883
33	.000072	.999955
34	.000027	.999983
35	.000010	.999993
36	.000003	.999996
37	.000001	.999997
38	.000000	.999997

p=.27

x	Individual Term	Cumulative (x or less)
3	.000001	.000001
4	.000005	.000005
5	.000023	.000028
6	.000091	.000119
7	.000307	.000426
8	.000895	.001322
9	.002281	.003602
10	.005146	.008749
11	.010382	.019130
12	.018879	.038010
13	.031154	.069164
14	.046914	.116077
15	.064779	.180857
16	.082361	.263218
17	.096762	.359980
18	.105378	.465358
19	.106670	.572028
20	.100606	.672634
21	.085596	.761230
22	.072984	.834214
23	.056336	.890550
24	.040805	.931354
25	.027770	.959124
26	.017777	.976900
27	.010715	.987615
28	.006086	.993701
29	.003260	.996961
30	.001648	.998609
31	.000786	.999395
32	.000355	.999750
33	.000151	.999901
34	.000061	.999962
35	.000023	.999985
36	.000008	.999993
37	.000003	.999996
38	.000001	.999997
39	.000000	.999997

## 50-100 BINOMIAL TABLES

n=

70

p=.28

p=.29

p=.30

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
3	.000000	.000000	4	.000001	.000001	4	.000000	.000001
4	.000002	.000003	5	.000005	.000006	5	.000003	.000003
5	.000011	.000014	6	.000024	.000030	6	.000012	.000015
6	.000047	.000060	7	.000088	.000118	7	.000046	.000060
7	.000165	.000227	8	.000283	.000401	8	.000154	.000215
8	.000509	.000736	9	.000797	.001198	9	.000455	.000670
9	.001364	.002100	10	.001986	.003184	10	.001190	.001860
10	.003236	.005336	11	.004424	.007609	11	.002782	.004642
11	.006864	.012200	12	.00885	.016494	12	.005862	.010504
12	.013124	.025324	13	.016191	.032685	13	.011208	.021712
13	.022771	.048096	14	.026926	.059610	14	.019558	.041270
14	.036055	.084150	15	.041058	.100669	15	.031292	.072562
15	.052346	.136496	16	.057648	.158317	16	.046100	.118662
16	.069976	.206472	17	.074794	.233112	17	.062758	.181420
17	.086441	.292913	18	.089952	.323064	18	.079195	.260614
18	.098980	.391894	19	.100555	.423618	19	.092890	.353504
19	.105348	.497241	20	.104732	.528351	20	.101515	.455020
20	.104470	.601711	21	.101852	.630203	21	.103587	.558607
21	.096731	.698442	22	.092658	.722861	22	.098879	.657485
22	.083785	.782227	23	.078984	.811845	23	.088438	.745923
23	.067999	.850226	24	.063178	.865023	24	.074225	.820148
24	.051786	.902013	25	.047481	.912504	25	.058531	.878679
25	.037056	.939069	26	.033566	.946070	26	.043416	.922095
26	.024942	.964011	27	.022342	.958412	27	.030322	.952418
27	.015807	.979817	28	.014015	.982427	28	.019957	.972375
28	.009440	.989257	29	.008290	.990717	29	.012387	.984762
29	.005317	.994574	30	.004628	.995345	30	.007255	.992017
30	.002826	.997400	31	.002439	.997784	31	.004012	.996030
31	.001418	.998618	32	.001214	.998998	32	.002096	.998125
32	.000672	.999490	33	.000571	.999569	33	.001034	.999159
33	.000301	.999791	34	.000254	.999823	34	.000482	.999642
34	.000127	.999918	35	.000107	.999929	35	.000213	.999854
35	.000051	.999969	36	.000042	.999972	36	.000089	.999943
36	.000019	.999989	37	.000016	.999988	37	.000035	.999978
37	.000007	.999995	38	.000006	.999993	38	.000013	.999991
38	.000002	.999998	39	.000002	.999995	39	.000005	.999995
39	.000001	.999998	40	.000001	.999996	40	.000002	.999997
40	.000000	.999999	41	.000000	.999996	41	.000000	.999997

n=

70

## 50-100 BINOMIAL TABLES

p=.31

x	Individual Term	Cumulative (x or less)
5	.000001	.000001
6	.000006	.000007
7	.000023	.000030
8	.000082	.000112
9	.000254	.000367
10	.000697	.001063
11	.001707	.002771
12	.003771	.006512
13	.007559	.014101
14	.013827	.027928
15	.023193	.051121
16	.035818	.086929
17	.051117	.138056
18	.067620	.205676
19	.083146	.288822
20	.095256	.384.078
21	.101896	.485974
22	.101963	.587937
23	.095602	.683539
24	.084114	.767653
25	.069534	.837187
26	.054069	.891256
27	.039587	.930843
28	.027313	.958156
29	.017772	.975928
30	.010912	.986840
31	.006326	.993166
32	.003464	.996630
33	.001792	.998422
34	.000876	.999298
35	.000405	.999703
36	.000177	.999880
37	.000073	.999953
38	.000028	.999981
39	.000011	.999992
40	.000004	.999995
41	.000001	.999996
42	.000000	.999997

p=.32

x	Individual Term	Cumulative (x or less)
5	.000001	.000001
6	.000003	.000003
7	.000012	.000015
8	.000043	.000058
9	.000139	.000197
10	.000399	.000595
11	.001023	.001618
12	.002367	.003985
13	.004970	.008955
14	.009522	.018477
15	.016729	.035206
16	.027061	.062267
17	.040451	.102718
18	.056050	.158769
19	.072189	.230957
20	.086626	.317584
21	.097080	.414644
22	.101732	.516375
23	.099910	.616286
24	.092074	.708360
25	.079725	.788085
26	.064935	.853020
27	.049797	.902817
28	.035988	.938805
29	.024527	.963333
30	.015774	.979107
31	.009578	.988686
32	.005494	.994179
33	.002977	.997156
34	.001524	.998681
35	.000738	.999419
36	.000338	.999756
37	.000146	.999902
38	.000060	.999962
39	.000023	.999985
40	.000008	.999993
41	.000003	.999996
42	.000001	.999997
43	.000000	.999997

p=.33

x	Individual Term	Cumulative (x or less)
6	.000001	.000002
7	.000006	.000007
8	.000022	.000029
9	.000074	.000103
10	.000223	.000326
11	.000599	.000925
12	.001450	.002375
13	.003187	.005562
14	.006390	.011952
15	.011750	.023702
16	.019894	.043596
17	.031125	.074722
18	.045139	.119861
19	.060848	.180709
20	.076423	.257132
21	.089622	.346754
22	.098317	.445070
23	.101060	.546130
24	.097478	.643608
25	.088341	.731949
26	.075308	.807257
27	.060446	.867703
28	.045721	.913424
29	.032614	.946038
30	.021954	.967992
31	.013952	.981944
32	.008375	.990320
33	.004750	.995070
34	.002546	.997616
35	.001290	.998906
36	.000618	.999524
37	.000280	.999803
38	.000120	.999923
39	.000048	.999971
40	.000018	.999990
41	.000007	.999996
42	.000002	.999998
43	.000001	.999999
44	.000000	.999999

70

## 50-100 BINOMIAL TABLES

n=

70

p=.34

p=.35

p=.36

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
6	.000001	.000001	7	.000001	.000002	7	.000001	.000001
7	.000003	.000003	8	.000005	.000007	8	.000003	.000003
8	.000011	.000014	9	.000020	.000027	9	.000010	.000013
9	.000039	.000053	10	.000065	.000092	10	.000034	.000047
10	.000122	.000175	11	.000191	.000283	11	.000105	.000152
11	.000312	.000517	12	.000507	.000790	12	.000289	.000441
12	.000867	.001385	13	.001217	.002007	13	.000725	.001166
13	.001993	.003378	14	.002668	.004675	14	.001661	.002827
14	.004181	.007559	15	.005364	.010039	15	.003489	.006316
15	.008041	.015601	16	.009928	.019967	16	.006746	.013062
16	.014240	.029840	17	.016982	.036949	17	.020533	.025115
17	.023301	.053142	18	.026924	.063873	18	.019963	.045077
18	.035344	.088486	19	.039677	.103550	19	.030732	.075809
19	.049832	.138318	20	.054479	.158029	20	.044081	.119891
20	.065461	.203778	21	.069845	.227875	21	.059037	.178928
21	.080291	.284069	22	.083766	.311640	22	.073964	.252892
22	.092124	.376193	23	.094131	.405772	23	.086828	.339720
23	.099043	.475236	24	.099460	.505032	24	.095646	.435366
24	.099918	.575153	25	.098344	.603376	25	.098994	.534360
25	.094710	.669864	26	.091652	.695028	26	.096376	.630736
26	.084444	.754308	27	.080424	.775452	27	.088345	.719080
27	.070892	.825199	28	.066504	.841957	28	.076316	.795396
28	.056084	.881283	29	.051863	.893819	29	.062171	.857567
29	.041843	.923127	30	.038166	.931985	30	.047794	.905361
30	.029459	.952586	31	.026517	.958502	31	.034689	.940050
31	.019582	.972168	32	.017402	.975904	32	.023781	.963831
32	.012294	.984463	33	.010790	.986694	33	.015404	.979235
33	.007293	.991756	34	.006323	.993017	34	.009429	.988664
34	.004089	.995844	35	.003502	.996519	35	.005455	.994119
35	.002166	.998011	36	.001833	.998352	36	.002983	.997102
36	.001085	.999096	37	.000907	.999259	37	.001542	.998645
37	.000514	.999609	38	.000424	.999683	38	.000753	.999398
38	.000230	.999839	39	.000187	.999871	39	.000348	.999746
39	.000097	.999936	40	.000078	.999949	40	.000152	.999897
40	.000039	.999975	41	.000031	.999980	41	.000062	.999960
41	.000015	.999989	42	.000011	.999991	42	.000024	.999984
42	.000005	.999995	43	.000004	.999995	43	.000009	.999993
43	.000002	.999996	44	.000001	.999996	44	.000003	.999996
44	.000001	.999997	45	.000000	.999997	45	.000001	.999997
45	.000000	.999997				46	.000000	.999997

n=

70

## 50-100 BINOMIAL TABLES

p=.37

x	Individual Term	Cumulative (x or less)
8	.000001	.000002
9	.000005	.000006
10	.000017	.000024
11	.000056	.000080
12	.000161	.000241
13	.000422	.000663
14	.001009	.001672
15	.002213	.003885
16	.004468	.008353
17	.008335	.016687
18	.014413	.031100
19	.023167	.054267
20	.034695	.088962
21	.048515	.137477
22	.063462	.209399
23	.077783	.278723
24	.089461	.368184
25	.096675	.464859
26	.098268	.563127
27	.094051	.657178
28	.084827	.742006
29	.072152	.814157
30	.057912	.872070
31	.043887	.915956
32	.031413	.947369
33	.021244	.968613
34	.013578	.982191
35	.008202	.990393
36	.004683	.995076
37	.002527	.997604
38	.001289	.998893
39	.000621	.999514
40	.000283	.999797
41	.000122	.999918
42	.000049	.999967
43	.000019	.999986
44	.000007	.999993
45	.000002	.999995
46	.000001	.999996
47	.000000	.999996

p=.38

x	Individual Term	Cumulative (x or less)
8	.000001	.000001
9	.000002	.000003
10	.000009	.000012
11	.000029	.000041
12	.000088	.000129
13	.000240	.000368
14	.000598	.000967
15	.001369	.002336
16	.002885	.005221
17	.005617	.010838
18	.010137	.020975
19	.017003	.037978
20	.026574	.064552
21	.038780	.103332
22	.052938	.156270
23	.067713	.223983
24	.081274	.305258
25	.091656	.396914
26	.097229	.494143
27	.097112	.591255
28	.091407	.682662
29	.081137	.763799
30	.067963	.831762
31	.053748	.885511
32	.040149	.925659
33	.028336	.953995
34	.018899	.972895
35	.011914	.984809
36	.007100	.991909
37	.003999	.995907
38	.002128	.998035
39	.001070	.999106
40	.000508	.999614
41	.000228	.999842
42	.000096	.999939
43	.000039	.999977
44	.000014	.999992
45	.000005	.999997
46	.000002	.999998
47	.000001	.999999
48	.000000	.999999

p=.39

x	Individual Term	Cumulative (x or less)
9	.000001	.000001
10	.000004	.000006
11	.000015	.000020
12	.000047	.000067
13	.000133	.000200
14	.000346	.000547
15	.000827	.001373
16	.001817	.003190
17	.003690	.006880
18	.006946	.013826
19	.012154	.025979
20	.019815	.045794
21	.030163	.075957
22	.042952	.118909
23	.057310	.176219
24	.071755	.247974
25	.084412	.332386
26	.093407	.425792
27	.097320	.523112
28	.095553	.618666
29	.088477	.707143
30	.077309	.784452
31	.063777	.848229
32	.049695	.897924
33	.036586	.934510
34	.025455	.959965
35	.016740	.976705
36	.010405	.987110
37	.006113	.993223
38	.003394	.996617
39	.001780	.998397
40	.000882	.999280
41	.000413	.999692
42	.000182	.999875
43	.000076	.999950
44	.000030	.999980
45	.000011	.999991
46	.000004	.999995
47	.000001	.999996
48	.000000	.999997

50-100 BINOMIAL TABLES

n=

70

p=.40

p=.41

p=.42

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
9	.000000	.000001	10	.000001	.000001	10	.000000	.000001
10	.000002	.000003	11	.000004	.000005	11	.000002	.000002
11	.000007	.000010	12	.000012	.000017	12	.000006	.000008
12	.000024	.000034	13	.000038	.000055	13	.000020	.000028
13	.000072	.000106	14	.000108	.000163	14	.000058	.000086
14	.000196	.000302	15	.000280	.000443	15	.000157	.000243
15	.000487	.000789	16	.000668	.001111	16	.000390	.000633
16	.001116	.001905	17	.001475	.002587	17	.000898	.001531
17	.002363	.004268	18	.003019	.005605	18	.001915	.003446
18	.004638	.008906	19	.005741	.011347	19	.003795	.007242
19	.008463	.017369	20	.010174	.021520	20	.007008	.014250
20	.014387	.031756	21	.016833	.038354	21	.012083	.026332
21	.022836	.054592	22	.026054	.064407	22	.019488	.045820
22	.033909	.088501	23	.037785	.102192	23	.029451	.075270
23	.047177	.135678	24	.051420	.153612	24	.041764	.117034
24	.061592	.197270	25	.065748	.219360	25	.055647	.172081
25	.075553	.272823	26	.079078	.298438	26	.069743	.242424
26	.087177	.360000	27	.089552	.387990	27	.082302	.324726
27	.094711	.454710	28	.095569	.483559	28	.091525	.416251
28	.096966	.551676	29	.096183	.579742	29	.095987	.512239
29	.093622	.645298	30	.091347	.671089	30	.094995	.607233
30	.085300	.730598	31	.081908	.752997	31	.088760	.695993
31	.073376	.803974	32	.069370	.822367	32	.078335	.774328
32	.059618	.863592	33	.055510	.877877	33	.065320	.839048
33	.045768	.909360	34	.041979	.919856	34	.051474	.891122
34	.033204	.942564	35	.030005	.949861	35	.038339	.929461
35	.022768	.965332	36	.020272	.970132	36	.026992	.956453
36	.014757	.980089	37	.012945	.983077	37	.017961	.974414
37	.009040	.989130	38	.007812	.990889	38	.011295	.985709
38	.005234	.994364	39	.004454	.995344	39	.006711	.992420
39	.002863	.997227	40	.002399	.997743	40	.003766	.996186
40	.001479	.998706	41	.001220	.998962	41	.001996	.998182
41	.000722	.999428	42	.000585	.999548	42	.000998	.999180
42	.000332	.999760	43	.000265	.999812	43	.000470	.999650
43	.000144	.999904	44	.000113	.999925	44	.000209	.999859
44	.000059	.999963	45	.000045	.999971	45	.000087	.999947
45	.000023	.999986	46	.000017	.999988	46	.000034	.999981
46	.000008	.999994	47	.000006	.999994	47	.000013	.999994
47	.000003	.999997	48	.000002	.999996	48	.000004	.999998
48	.000001	.999998	49	.000001	.999996	49	.000001	1.000000
49	.000000	.999998	50	.000000	.999997	50	.000000	1.000001

n=

70

## 50-100 BINOMIAL TABLES

p=.43

x	Individual Term	Cumulative (x or less)
11	.000001	.000001
12	.000003	.000004
13	.000010	.000014
14	.000030	.000044
15	.000086	.000130
16	.000222	.000353
17	.000533	.000886
18	.001184	.002070
19	.002444	.004514
20	.004702	.009216
21	.008446	.017663
22	.014191	.031854
23	.022343	.054197
24	.033008	.087204
25	.045817	.133021
26	.059822	.192843
27	.073543	.266386
28	.085201	.351586
29	.093087	.444673
30	.095972	.540664
31	.093419	.634065
32	.085891	.719956
33	.074612	.794568
34	.061253	.855820
35	.047528	.903349
36	.034859	.918208
37	.024165	.962372
38	.015831	.978203
39	.009799	.988002
40	.005729	.993731
41	.003162	.996894
42	.001617	.998541
43	.000809	.999350
44	.000375	.999725
45	.000163	.999888
46	.000067	.999955
47	.000026	.999981
48	.000009	.999990
49	.000003	.999993
50	.000001	.999994
51	.000000	.999995

p=.44

x	Individual Term	Cumulative (x or less)
11	.000000	.000000
12	.000001	.000002
13	.000005	.000007
14	.000016	.000022
15	.000046	.000068
16	.000124	.000192
17	.000308	.000500
18	.000713	.001213
19	.001534	.002748
20	.003074	.005821
21	.005750	.011571
22	.010063	.021634
23	.016500	.038134
24	.025389	.063523
25	.036705	.100228
26	.049915	.150143
27	.063912	.214054
28	.077118	.291173
29	.087755	.378928
30	.094232	.473160
31	.095535	.568695
32	.091483	.660178
33	.082771	.742949
34	.070772	.813722
35	.057196	.870917
36	.043691	.911608
37	.031545	.946154
38	.021524	.967678
39	.013876	.981554
40	.008450	.990004
41	.001858	.991862
42	.002635	.997498
43	.001348	.998846
44	.000650	.999496
45	.000295	.999791
46	.000126	.999917
47	.000051	.999968
48	.000019	.999987
49	.000007	.999993
50	.000002	.999996
51	.000001	.999996
52	.000000	.999997

p=.45

x	Individual Term	Cumulative (x or less)
12	.000001	.000001
13	.000002	.000003
14	.000008	.000011
15	.000024	.000035
16	.000067	.000102
17	.000174	.000276
18	.000419	.000694
19	.000938	.001632
20	.001957	.003589
21	.003812	.007402
22	.006947	.014349
23	.011863	.026212
24	.019007	.045218
25	.028614	.073833
26	.040520	.114353
27	.054027	.168379
28	.067884	.236263
29	.080440	.316703
30	.089946	.406649
31	.094958	.501607
32	.094688	.596295
33	.089210	.685505
34	.079430	.764935
35	.066845	.831780
36	.053172	.884953
37	.039977	.924930
38	.028405	.953335
39	.019069	.972404
40	.012091	.984495
41	.007239	.991734
42	.004089	.995824
43	.002179	.998002
44	.001094	.999096
45	.000517	.999613
46	.000230	.999843
47	.000096	.999939
48	.000038	.999977
49	.000014	.999991
50	.000005	.999996
51	.000002	.999997
52	.000000	.999998

## 50-100 BINOMIAL TABLES

n=

70

p=.46

p=.47

p=.48

x	Individual Term	Cumulative (x or less)
12	.000000	.000000
13	.000001	.000001
14	.000004	.000005
15	.000012	.000017
16	.000035	.000053
17	.000096	.000148
18	.000240	.000388
19	.000559	.000946
20	.001214	.002160
21	.002461	.004621
22	.004670	.009291
23	.008302	.017593
24	.013849	.031442
25	.021708	.053150
26	.032005	.085155
27	.044429	.129584
28	.058122	.187706
29	.071706	.259412
30	.083480	.342893
31	.091759	.434651
32	.095263	.529914
33	.093446	.623360
34	.086625	.709985
35	.075900	.785885
36	.062860	.848745
37	.049206	.897951
38	.036401	.934351
39	.025442	.959794
40	.016797	.976591
41	.010470	.987060
42	.006158	.993218
43	.003416	.996634
44	.001786	.998419
45	.000879	.999298
46	.000407	.999705
47	.000177	.999882
48	.000072	.999954
49	.000028	.999982
50	.000010	.999992
51	.000003	.999995
52	.000001	.999996
53	.000000	.999996

x	Individual Term	Cumulative (x or less)
13	.000000	.000001
14	.000002	.000002
15	.000006	.000008
16	.000018	.000027
17	.000051	.000078
18	.000134	.000211
19	.000324	.000535
20	.000733	.001268
21	.001547	.002815
22	.003056	.005871
23	.005655	.01526
24	.009821	.021348
25	.016025	.037373
26	.024596	.061969
27	.035545	.097514
28	.048407	.145922
29	.062171	.208092
30	.075348	.283440
31	.086216	.369656
32	.093181	.462837
33	.095152	.557989
34	.091825	.649814
35	.083757	.733571
36	.072211	.805782
37	.058844	.864627
38	.045317	.909944
39	.032974	.942917
40	.022662	.965579
41	.014704	.980283
42	.009004	.989287
43	.005199	.994486
44	.002829	.997315
45	.001450	.998765
46	.000699	.999463
47	.000316	.999780
48	.000134	.999914
49	.000054	.999968
50	.000020	.999987
51	.000007	.999994
52	.000002	.999997
53	.000001	.999997
54	.000000	.999997

x	Individual Term	Cumulative (x or less)
13	.000000	.000000
14	.000001	.000001
15	.000003	.000004
16	.000009	.000013
17	.000027	.000040
18	.000072	.000112
19	.000183	.000295
20	.000431	.000726
21	.000947	.001673
22	.001946	.003619
23	.003749	.007368
24	.006778	.014146
25	.011511	.025657
26	.018391	.044048
27	.027665	.071713
28	.039218	.110931
29	.052429	.163359
30	.066141	.229500
31	.078778	.308278
32	.088625	.396904
33	.094203	.491107
34	.094630	.585737
35	.089846	.675583
36	.080631	.756214
37	.068394	.824608
38	.054826	.879434
39	.041525	.920959
40	.029706	.950665
41	.020064	.970729
42	.012788	.983517
43	.007687	.991204
44	.004354	.995558
45	.002322	.997880
46	.001165	.999045
47	.000549	.999594
48	.000243	.999837
49	.000101	.999938
50	.000039	.999977
51	.000014	.999991
52	.000005	.999996
53	.000001	.999997
54	.000000	.999998

n=

70

## 50-100 BINOMIAL TABLES

p=.49

p=.50

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
15	.000001	.000002	15	.000001	.000001
16	.000004	.000006	16	.000002	.000003
17	.000014	.000020	17	.000007	.000010
18	.000038	.000053	18	.000020	.000029
19	.000101	.000159	19	.000054	.000083
20	.000246	.000405	20	.000137	.000220
21	.000564	.000969	21	.000326	.000547
22	.001206	.002175	22	.000727	.001274
23	.002419	.004593	23	.001518	.002791
24	.004551	.009144	24	.002971	.005763
25	.008045	.017189	25	.005468	.011231
26	.013377	.030566	26	.009464	.020696
27	.020945	.051511	27	.015423	.036119
28	.030905	.082416	28	.023686	.059805
29	.043003	.125419	29	.034303	.094108
30	.056466	.181885	30	.046881	.140990
31	.070002	.251887	31	.060492	.201482
32	.081970	.333856	32	.073725	.275206
33	.090688	.424544	33	.084895	.360101
34	.094819	.519363	34	.092386	.452487
35	.093704	.613067	35	.095025	.547513
36	.087528	.700595	36	.092386	.639899
37	.077277	.777872	37	.084895	.724794
38	.064477	.842349	38	.073725	.798518
39	.050830	.893179	39	.060492	.859010
40	.037848	.931027	40	.046881	.905892
41	.026608	.957635	41	.034303	.940195
42	.017652	.975287	42	.023686	.963881
43	.011043	.986330	43	.015423	.979304
44	.006511	.992841	44	.009464	.988768
45	.003614	.996455	45	.005468	.994237
46	.001887	.998342	46	.002971	.997208
47	.000926	.999268	47	.001518	.998726
48	.000426	.999695	48	.000727	.999453
49	.000184	.999879	49	.000326	.999780
50	.000074	.999953	50	.000137	.999917
51	.000028	.999981	51	.000054	.999971
52	.000010	.999991	52	.000020	.999990
53	.000003	.999994	53	.000007	.999997
54	.000001	.999995	54	.000002	.999999
55	.000000	.999995	55	.000001	1.000000
			56	.000000	1.000000

50-100 BINOMIAL TABLES

$n =$   
75

$p = .01$

x	Individual Term	Cumulative (x or less)
0	.470587	.470587
1	.356505	.827092
2	.133239	.960331
3	.032749	.993080
4	.005954	.999035
5	.000854	.999889
6	.000101	.999989
7	.000010	.999999
8	.000001	1.000001
9	.000000	1.000001

$p = .02$

x	Individual Term	Cumulative (x or less)
0	.219764	.219764
1	.336373	.556136
2	.253996	.810132
3	.126134	.936266
4	.046335	.982601
5	.013428	.996029
6	.003197	.999226
7	.000643	.999869
8	.000112	.999981
9	.000017	.999998
10	.000002	1.000000
11	.000000	1.000001

$p = .03$

x	Individual Term	Cumulative (x or less)
0	.101831	.101831
1	.236206	.338037
2	.270297	.608334
3	.203420	.811754
4	.113244	.924998
5	.049734	.974732
6	.017945	.992677
7	.005471	.998148
8	.001438	.999586
9	.000331	.999917
10	.000068	.999985
11	.000012	.999997
12	.000002	.999999
13	.000000	1.000000

$p = .04$

x	Individual Term	Cumulative (x or less)
0	.046810	.046810
1	.146283	.193093
2	.225519	.418612
3	.228651	.647263
4	.171488	.818752
5	.101464	.920216
6	.049323	.969538
7	.020258	.989796
8	.007175	.996971
9	.002225	.999196
10	.000612	.999808
11	.000151	.999959
12	.000033	.999992
13	.000007	.999999
14	.000001	1.000001

$p = .05$

x	Individual Term	Cumulative (x or less)
0	.021344	.021344
1	.084252	.105595
2	.164069	.269604
3	.210123	.479787
4	.199064	.678851
5	.148774	.827626
6	.091353	.918978
7	.047393	.966372
8	.021202	.987574
9	.008307	.995881
10	.002886	.998767
11	.000897	.999665
12	.000252	.999916
13	.000064	.999981
14	.000015	.999996

$p = .06$

x	Individual Term	Cumulative (x or less)
0	.009651	.009651
1	.046203	.055855
2	.109119	.164973
3	.169482	.334455
4	.194724	.529179
5	.176494	.705674
6	.131132	.837106
7	.082694	.919800
8	.044866	.964666
9	.021319	.985985
10	.008981	.994967
11	.003388	.998354
12	.001153	.999507
13	.000357	.999864
14	.000101	.999965
15	.000026	.999991
16	.000006	.999997
17	.000001	.999999
18	.000000	.999999

n=

75

## 50-100 BINOMIAL TABLES

p=.07

x	Individual Term	Cumulative (x or less)
0	.004327	.004327
1	.024429	.028756
2	.068032	.096788
3	.124604	.221392
4	.168818	.390210
5	.180435	.570615
6	.158447	.729092
7	.117557	.846649
8	.075211	.921861
9	.042144	.964004
10	.020936	.984940
11	.009312	.994252
12	.003738	.997990
13	.001363	.999353
14	.000454	.999808
15	.000139	.999947
16	.000039	.999986
17	.000010	.999996
18	.000002	.999999
19	.000001	1.000000
20	.000000	1.000000

p=.08

x	Individual Term	Cumulative (x or less)
0	.001923	.001923
1	.012544	.014468
2	.040360	.054828
3	.085400	.140228
4	.133670	.273898
5	.165053	.438950
6	.167445	.606395
7	.143524	.749920
8	.106083	.856003
9	.068672	.924675
10	.039412	.964887
11	.020251	.984338
12	.009392	.993729
13	.003958	.997687
14	.001524	.999211
15	.000539	.999750
16	.000176	.999926
17	.000053	.999979
18	.000015	.999994
19	.000004	.999998
20	.000001	.999999
21	.000000	.999999

p=.09

x	Individual Term	Cumulative (x or less)
0	.000847	.000847
1	.006286	.007133
2	.023002	.030136
3	.055357	.085492
4	.098548	.184040
5	.138400	.322440
6	.159692	.182132
7	.155681	.637813
8	.130875	.768687
9	.096358	.865046
10	.062898	.927943
11	.036758	.964701
12	.019389	.984090
13	.009293	.993383
14	.004070	.997454
15	.001637	.999091
16	.000607	.999698
17	.000208	.999906
18	.000066	.999973
19	.000020	.999992
20	.000005	.999998
21	.000001	.999999
22	.000000	.999999
23	.000000	1.000000

78

## 50-100 BINOMIAL TABLES

n=

75

p=.10

p=.11

p=.12

x	Individual Term	Cumulative (x or less)
0	.000370	.000370
1	.003083	.003453
2	.012676	.016129
3	.034271	.050400
4	.068542	.118941
5	.108144	.227085
6	.140186	.367271
7	.153537	.520808
8	.145007	.665816
9	.119944	.785760
10	.087959	.873719
11	.057751	.931470
12	.034223	.965693
13	.018428	.984121
14	.009068	.993188
15	.004097	.997285
16	.001707	.998993
17	.000658	.999651
18	.000236	.999887
19	.000079	.999965
20	.000024	.999990
21	.000007	.999997
22	.000002	.999999
23	.000000	.999999

x	Individual Term	Cumulative (x or less)
0	.000160	.000160
1	.001484	.001644
2	.006785	.008428
3	.020404	.028833
4	.045394	.074226
5	.079669	.153895
6	.114878	.268774
7	.139956	.408730
8	.147033	.555763
9	.135285	.691047
10	.110356	.801403
11	.080597	.882000
12	.053128	.935128
13	.031821	.966949
14	.017418	.984367
15	.008754	.993121
16	.004058	.997178
17	.001740	.998919
18	.000693	.999612
19	.000257	.999869
20	.000089	.999958
21	.000029	.999987
22	.000009	.999995
23	.000002	.999998
24	.000001	.999999
25	.000000	.999999

x	Individual Term	Cumulative (x or less)
0	.000069	.000069
1	.000701	.000770
2	.003539	.004309
3	.011743	.016051
4	.028822	.044874
5	.055811	.100685
6	.088790	.189475
7	.119348	.308822
8	.138335	.447157
9	.140431	.587587
10	.126388	.713975
11	.101841	.815816
12	.074066	.889882
13	.048946	.938828
14	.029558	.968386
15	.016391	.984778
16	.008382	.993160
17	.003967	.997127
18	.001743	.998870
19	.000713	.999583
20	.000272	.999855
21	.000097	.999952
22	.000033	.999985
23	.000010	.999995
24	.000003	.999998
25	.000001	.999999
26	.000000	.999999

n=

75

## 50-100 BINOMIAL TABLES

p=.13

p=.14

p=.15

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
0	.000029	.000029	0	.000012	.000012	0	.000005	.000005
1	.000326	.000355	1	.000149	.000162	1	.000067	.000072
2	.001803	.002159	2	.000899	.001061	2	.000440	.000512
3	.006557	.008715	3	.003562	.004623	3	.001888	.002400
4	.017635	.026350	4	.010439	.015062	4	.005996	.008395
5	.037419	.063769	5	.024130	.039192	5	.015025	.023420
6	.065232	.129001	6	.045828	.085020	6	.030933	.054353
7	.096081	.225082	7	.073538	.158558	7	.053808	.108161
8	.122034	.347115	8	.101757	.260315	8	.080712	.188874
9	.135749	.482864	9	.123317	.383632	9	.106034	.294908
10	.133876	.616740	10	.132494	.516126	10	.123498	.418406
11	.118208	.734948	11	.127452	.643578	11	.128782	.547187
12	.094204	.829153	12	.110656	.754235	12	.121206	.668393
13	.068217	.897370	13	.087298	.841532	13	.103656	.772049
14	.045142	.942511	14	.062935	.904468	14	.081008	.853058
15	.027431	.969943	15	.041664	.946132	15	.058135	.911193
16	.015371	.985313	16	.025435	.971567	16	.038472	.949665
17	.007971	.993285	17	.014370	.985937	17	.023562	.973227
18	.003338	.997123	18	.007538	.993474	18	.013398	.986626
19	.001720	.998843	19	.003681	.997156	19	.007093	.993719
20	.000720	.999563	20	.001678	.998834	20	.003505	.997224
21	.000232	.999845	21	.000715	.999549	21	.001620	.998844
22	.000103	.999948	22	.000286	.999835	22	.000702	.999515
23	.000036	.999984	23	.000107	.999942	23	.000285	.999831
24	.000012	.999995	24	.000038	.999980	24	.000109	.999940
25	.000004	.999999	25	.000013	.999993	25	.000039	.999979
26	.000001	1.000000	26	.000004	.999996	26	.000013	.999992
27	.000000	1.000000	27	.000001	.999998	27	.000004	.999997
			28	.000000	.999998	28	.000001	.999998
						29	.000000	.999998

## 50-100 BINOMIAL TABLES

n=

75

p=.16

p=.17

p=.18

x	Individual Term	Cumulative (x or less)
0	.000002	.000002
1	.000030	.000032
2	.000211	.000243
3	.000977	.001220
4	.003350	.004570
5	.009061	.013631
6	.020136	.033766
7	.037805	.071572
8	.061209	.132781
9	.086793	.219574
10	.109112	.328686
11	.122810	.451495
12	.124759	.576254
13	.115162	.691416
14	.097144	.788560
15	.075248	.863808
16	.053748	.917556
17	.035531	.953087
18	.021807	.974894
19	.012461	.987356
20	.006646	.994002
21	.003316	.997317
22	.001550	.998868
23	.000680	.999548
24	.000281	.999829
25	.000109	.999938
26	.000040	.999978
27	.000014	.999992
28	.000005	.999996
29	.000001	.999998
30	.000000	.999998

x	Individual Term	Cumulative (x or less)
0	.000001	.000001
1	.000013	.000014
2	.000099	.000113
3	.000495	.000608
4	.001824	.002432
5	.005306	.007738
6	.012678	.020416
7	.025596	.046012
8	.044562	.090574
9	.067947	.158521
10	.091851	.250372
11	.111167	.361539
12	.121435	.482974
13	.120535	.603508
14	.109332	.712840
15	.091066	.803905
16	.069945	.873851
17	.049720	.923571
18	.032814	.956384
19	.020163	.976547
20	.011563	.988110
21	.006203	.994313
22	.003118	.997432
23	.001472	.998903
24	.000653	.999557
25	.000273	.999830
26	.000107	.999937
27	.000040	.999977
28	.000014	.999991
29	.000005	.999996
30	.000001	.999997
31	.000000	.999998

x	Individual Term	Cumulative (x or less)
0	.000000	.000000
1	.000006	.000006
2	.000046	.000052
3	.000245	.000297
4	.000970	.001267
5	.003022	.004289
6	.007740	.012030
7	.016748	.028778
8	.031250	.060028
9	.051067	.111095
10	.073985	.185080
11	.095967	.281047
12	.112352	.393399
13	.119519	.512918
14	.116187	.629105
15	.103718	.732823
16	.085378	.818201
17	.065044	.883245
18	.046007	.929252
19	.030297	.959549
20	.018622	.978170
21	.010706	.988876
22	.005768	.994644
23	.002918	.997562
24	.001388	.998950
25	.000621	.999571
26	.000262	.999834
27	.000105	.999938
28	.000039	.999977
29	.000014	.999991
30	.000005	.999996
31	.000002	.999998
32	.000000	.999998

n=

75

## 50-100 BINOMIAL TABLES

p=.19

p=.20

p=.21

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
1	.000002	.000003	1	.000001	.000001	2	.000004	.000005
2	.000021	.000023	2	.000009	.000010	3	.000027	.000031
3	.000119	.000143	3	.000057	.000067	4	.000127	.000159
4	.000504	.000646	4	.000236	.000323	5	.000481	.000639
5	.001678	.002324	5	.000909	.001232	6	.001491	.002131
6	.004592	.006916	6	.002651	.003883	7	.003908	.006038
7	.010616	.017532	7	.006532	.010415	8	.008829	.014867
8	.021167	.038700	8	.013881	.024296	9	.017472	.032339
9	.036963	.075663	9	.025834	.050129	10	.030653	.062992
10	.057224	.132887	10	.042625	.092755	11	.068149	.111141
11	.079318	.212205	11	.062969	.155724	12	.068262	.179402
12	.099229	.311433	12	.083959	.239683	13	.087936	.267338
13	.112798	.424231	13	.101720	.341403	14	.103519	.370857
14	.117175	.541406	14	.112618	.454021	15	.111906	.482763
15	.111774	.653180	15	.114495	.568516	16	.111552	.594315
16	.098320	.751500	16	.107339	.675855	17	.102913	.697228
17	.080041	.831541	17	.093133	.768988	18	.088149	.785377
18	.060497	.892038	18	.075023	.844012	19	.070296	.855674
19	.042572	.934611	19	.056268	.900279	20	.052322	.907995
20	.027961	.962572	20	.039387	.939666	21	.036427	.944422
21	.017178	.979749	21	.025789	.965456	22	.023767	.968189
22	.009890	.989639	22	.015825	.981281	23	.014559	.982748
23	.005346	.994985	23	.009117	.990398	24	.008385	.991133
24	.002717	.997702	24	.004938	.995336	25	.004547	.995680
25	.001300	.999002	25	.002518	.997854	26	.002324	.998005
26	.000586	.999589	26	.001211	.999065	27	.001121	.999126
27	.000250	.999839	27	.000549	.999615	28	.000511	.999637
28	.000100	.999939	28	.000235	.999850	29	.000220	.999457
29	.000038	.999977	29	.000095	.999945	30	.000090	.999947
30	.000014	.999991	30	.000037	.999982	31	.000035	.999981
31	.000005	.999996	31	.000013	.999995	32	.000013	.999994
32	.000002	.999997	32	.000005	1.000000	33	.000004	.999998
33	.000000	.999998	33	.000001	1.000002	34	.000001	1.000000
			34	.000000	1.000002	35	.000000	1.000001

50-100 BINOMIAL TABLES

n=  
75

p=.22

p=.23

p=.24

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
2	.000002	.000002	2	.000001	.000001	2	.000000	.000000
3	.000012	.000014	3	.000006	.000006	3	.000002	.000003
4	.000062	.000076	4	.000030	.000036	4	.000014	.000017
5	.000249	.000325	5	.000126	.000162	5	.000062	.000079
6	.000819	.001144	6	.000439	.000601	6	.000230	.000309
7	.002276	.003119	7	.001292	.001892	7	.000715	.001024
8	.005456	.008875	8	.003280	.005172	8	.001920	.002944
9	.011456	.020331	9	.007293	.012465	9	.004514	.007459
10	.021325	.041656	10	.014378	.026843	10	.009408	.016867
11	.035512	.077198	11	.025378	.052221	11	.017556	.034423
12	.053465	.130663	12	.040428	.092649	12	.029569	.063992
13	.073079	.203742	13	.058522	.151172	13	.045251	.109242
14	.091282	.295025	14	.077414	.228586	14	.063283	.172525
15	.104702	.399726	15	.094037	.322623	15	.081268	.253794
16	.110742	.510468	16	.105334	.427957	16	.096239	.350032
17	.108403	.618871	17	.109196	.537152	17	.105476	.455508
18	.098520	.717392	18	.105099	.612252	18	.107326	.562834
19	.083363	.800755	19	.091180	.736431	19	.101677	.664511
20	.065836	.866591	20	.078768	.815200	20	.089904	.754415
21	.048633	.915225	21	.061622	.876821	21	.074357	.828772
22	.033669	.948894	22	.041579	.922001	22	.057635	.886407
23	.021883	.970777	23	.031098	.953098	23	.041941	.928348
24	.013373	.984150	24	.020126	.973224	24	.028696	.957044
25	.007695	.991844	25	.012264	.985488	25	.018486	.975530
26	.004174	.996018	26	.007045	.992533	26	.011227	.986757
27	.002136	.998154	27	.003819	.996351	27	.006434	.993191
28	.001033	.999187	28	.001955	.998307	28	.003483	.996674
29	.000472	.999660	29	.000947	.999253	29	.001783	.998450
30	.000204	.999864	30	.000434	.999687	30	.000863	.999320
31	.000084	.999947	31	.000188	.999875	31	.000396	.999715
32	.000032	.999980	32	.000077	.999952	32	.000172	.999887
33	.000012	.999992	33	.000030	.999982	33	.000071	.999958
34	.000004	.999996	34	.000011	.999993	34	.000028	.999985
35	.000001	.999997	35	.000004	.999997	35	.000010	.999996
36	.000000	.999998	36	.000001	.999999	36	.000004	.999999
			37	.000000	.999999	37	.000001	1.000001
						38	.000000	1.000001

## 50-100 BINOMIAL TABLES

p=.25

p=.26

p=.27

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
3	.000001	.000001	3	.000000	.000001	4	.000001	.000001
4	.000006	.000008	4	.000003	.000003	5	.000007	.000008
5	.000030	.000038	5	.000014	.000018	6	.000029	.000037
6	.000118	.000156	6	.000059	.000077	7	.000105	.000143
7	.000387	.000542	7	.000204	.000281	8	.000332	.000474
8	.001096	.001638	8	.000610	.000891	9	.000913	.001387
9	.002719	.004358	9	.001596	.002487	10	.002229	.003617
10	.005983	.010340	10	.003701	.006188	11	.004872	.008489
11	.011784	.022125	11	.007684	.013872	12	.009610	.018099
12	.020950	.043074	12	.014398	.028270	13	.017226	.035325
13	.033442	.076916	13	.024516	.052787	14	.028215	.063540
14	.049957	.126873	14	.038147	.090934	15	.042439	.105979
15	.067719	.194592	15	.054505	.145439	16	.058862	.164842
16	.084649	.279242	16	.071815	.217254	17	.075558	.240400
17	.097928	.377169	17	.087570	.301824	18	.090049	.330449
18	.105182	.482351	18	.099141	.403965	19	.099917	.430366
19	.105182	.587532	19	.104500	.508466	20	.103476	.533842
20	.098169	.685702	20	.102806	.611271	21	.100236	.634077
21	.085703	.771405	21	.094602	.705873	22	.090999	.725076
22	.070121	.841526	22	.081586	.787459	23	.077558	.802634
23	.053861	.895387	23	.066055	.853514	24	.062152	.864786
24	.038900	.934287	24	.050285	.903799	25	.046895	.911681
25	.026452	.960739	25	.036042	.939841	26	.033355	.945037
26	.016956	.977695	26	.024353	.964194	27	.022389	.967426
27	.010257	.987953	27	.015528	.979722	28	.014196	.981622
28	.005861	.993814	28	.009353	.989075	29	.008510	.990131
29	.003167	.996981	29	.005326	.994401	30	.004826	.994957
30	.001618	.998599	30	.002869	.997270	31	.002591	.997548
31	.000783	.999382	31	.001463	.998733	32	.000126	.999917
32	.000359	.999741	32	.000707	.999440	33	.000052	.999969
33	.000156	.999897	33	.000324	.999764	34	.000020	.999989
34	.000064	.999961	34	.000140	.999904	35	.000007	.999996
35	.000025	.999986	35	.000058	.999962	36	.000003	.999999
36	.000009	.999995	36	.000023	.999985	37	.000001	1.000000
37	.000003	.999999	37	.000008	.999993	38	.000000	1.000000
38	.000001	1.000000	38	.000003	.999996	39	.000001	1.000000
39	.000000	1.000001	39	.000001	.999997	40	.000000	.999997

## 50-100 BINOMIAL TABLES

n=

75

p=.28

p=.29

p=.30

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
4	.000001	.000001	5	.000001	.000002	5	.000001	.000001
5	.000003	.000004	6	.000007	.000008	6	.000003	.000004
6	.000014	.000018	7	.000026	.000034	7	.000013	.000016
7	.000053	.000071	8	.000091	.000126	8	.000046	.000063
8	.000176	.000247	9	.000278	.000404	9	.000148	.000211
9	.000510	.000757	10	.000749	.001152	10	.000418	.000628
10	.001308	.002065	11	.001807	.002959	11	.001058	.001687
11	.003006	.005071	12	.003936	.006895	12	.002419	.004106
12	.006236	.011307	13	.007792	.014687	13	.005024	.009130
13	.011752	.023059	14	.014094	.028781	14	.009536	.018667
14	.020239	.043298	15	.023410	.052191	15	.016620	.035287
15	.032008	.075306	16	.035857	.088049	16	.026711	.061998
16	.046678	.121984	17	.050830	.138879	17	.039730	.101728
17	.063000	.184985	18	.066898	.205777	18	.054865	.156593
18	.078945	.263929	19	.081974	.287751	19	.070541	.227134
19	.092102	.356032	20	.093751	.381502	20	.084649	.311783
20	.100289	.456321	21	.100290	.481792	21	.095014	.406797
21	.102146	.558467	22	.100547	.582339	22	.09950	.506747
22	.097503	.655970	23	.094636	.676975	23	.098708	.605456
23	.087376	.743346	24	.083751	.760725	24	.091658	.697113
24	.073622	.816969	25	.069784	.830509	25	.080135	.777249
25	.058407	.875376	26	.054814	.885324	26	.066045	.843294
26	.043681	.919057	27	.040632	.925956	27	.051369	.894663
27	.030828	.949885	28	.028450	.954406	28	.037740	.932103
28	.020552	.970137	29	.018833	.973239	29	.026214	.958617
29	.012953	.983390	30	.011795	.985035	30	.017226	.975843
30	.007724	.991114	31	.006994	.992028	31	.010717	.986559
31	.004360	.995474	32	.003928	.995956	32	.006315	.992875
32	.002312	.997806	33	.002090	.998046	33	.003527	.996401
33	.001181	.998988	34	.001055	.999101	34	.001867	.998268
34	.000568	.999555	35	.000505	.999606	35	.000937	.999206
35	.000259	.999814	36	.000229	.999835	36	.000446	.999652
36	.000112	.999925	37	.000099	.999933	37	.000202	.999854
37	.000046	.999971	38	.000040	.999973	38	.000086	.999940
38	.000018	.999989	39	.000016	.999989	39	.000035	.999975
39	.000007	.999996	40	.000006	.999995	40	.000014	.999989
40	.000002	.999998	41	.000002	.999997	41	.000005	.999994
41	.000001	.999999	42	.000001	.999997	42	.000002	.999996
42	.000000	.999999	43	.000000	.999998	43	.000001	.999996
						44	.000000	.999996

**n=**  
**75**

50-100 BINOMIAL TABLES

<b>p=.31</b>			<b>p=.32</b>			<b>p=.33</b>		
x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
6	.000001	.000002	6	.000001	.000001	7	.000001	.000002
7	.000006	.000008	7	.000003	.000004	8	.000005	.000007
8	.000023	.000031	8	.000011	.000015	9	.000019	.000026
9	.000077	.000107	9	.000039	.000054	10	.000063	.000089
10	.000228	.000335	10	.000121	.000175	11	.000183	.000272
11	.000604	.000940	11	.000337	.000511	12	.000481	.000753
12	.001448	.002388	12	.000845	.001357	13	.001148	.001900
13	.003153	.005541	13	.001927	.003284	14	.002503	.004403
14	.006274	.011815	14	.004016	.007300	15	.005013	.009417
15	.011463	.023279	15	.007686	.014987	16	.009260	.018677
16	.019313	.042592	16	.013564	.028551	17	.015829	.034505
17	.030114	.072706	17	.022153	.050704	18	.025121	.059627
18	.043595	.116301	18	.033592	.084296	19	.037120	.096746
19	.058758	.175059	19	.047424	.131720	20	.051192	.147938
20	.073916	.248975	20	.062488	.194208	21	.066036	.213974
21	.086975	.335951	21	.077016	.271224	22	.079835	.293809
22	.095914	.431864	22	.088959	.360183	23	.090611	.384419
23	.099298	.531162	23	.096168	.456651	24	.096696	.481116
24	.096660	.627822	24	.098359	.555010	25	.097158	.578274
25	.088591	.716412	25	.094425	.649435	26	.092027	.670301
26	.076542	.792954	26	.085152	.734387	27	.082260	.752560
27	.062408	.855362	27	.072979	.807866	28	.069456	.822016
28	.048066	.903428	28	.058874	.866739	29	.055443	.877460
29	.034999	.938427	29	.044902	.911641	30	.041872	.919332
30	.024110	.962537	30	.032400	.944041	31	.029937	.949269
31	.015724	.978261	31	.022133	.966173	32	.020275	.969544
32	.009714	.987974	32	.014321	.980494	33	.013012	.982556
33	.005687	.993661	33	.008782	.989276	34	.007917	.990473
34	.003156	.996817	34	.005105	.994381	35	.004568	.995041
35	.001661	.998478	35	.002814	.997195	36	.002500	.997540
36	.000829	.999307	36	.001471	.998666	37	.001298	.998838
37	.000393	.999700	37	.000730	.999396	38	.000639	.999477
38	.000176	.999876	38	.000343	.999740	39	.000299	.999776
39	.000075	.999951	39	.000153	.999893	40	.000132	.999909
40	.000030	.999982	40	.000065	.999958	41	.000056	.999964
41	.000012	.999993	41	.000026	.999984	42	.000022	.999986
42	.000004	.999997	42	.000010	.999994	43	.000008	.999995
43	.000001	.999999	43	.000004	.999997	44	.000003	.999998
44	.000000	.999999	44	.000001	.999999	45	.000001	.999999
45	.000000	1.000000	45	.000000	.999999	46	.000000	.999999

50-100 BINOMIAL TABLES

$n =$

75

p=.34

p=.35

p=.36

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
7	.000001	.000001	8	.000001	.000001	8	.000000	.000001
8	.000002	.000003	9	.000004	.000006	9	.000002	.000003
9	.000009	.000013	10	.000016	.000022	10	.000008	.000010
10	.000032	.000044	11	.000050	.000072	11	.000025	.000036
11	.000097	.000141	12	.000144	.000216	12	.000076	.000112
12	.000267	.000408	13	.000377	.000593	13	.000208	.000320
13	.000666	.001074	14	.000898	.001491	14	.000518	.000837
14	.001519	.002593	15	.001967	.003458	15	.001184	.002021
15	.003182	.005776	16	.003971	.007429	16	.002497	.004518
16	.006148	.011923	17	.007422	.014851	17	.004875	.009393
17	.010992	.022915	18	.012877	.027728	18	.008835	.018228
18	.018215	.041160	19	.020801	.04529	19	.014910	.033138
19	.028197	.069358	20	.031362	.079891	20	.023483	.056621
20	.040672	.110030	21	.044228	.124119	21	.034596	.091217
21	.054876	.164906	22	.058456	.182575	22	.047765	.138982
22	.069388	.234294	23	.072532	.255107	23	.061913	.200896
23	.082370	.316663	24	.084620	.339727	24	.075457	.276353
24	.091938	.408601	25	.092952	.432679	25	.086587	.362940
25	.096618	.505220	26	.096252	.528932	26	.093664	.456603
26	.095718	.600938	27	.094059	.622990	27	.095615	.552218
27	.089487	.690424	28	.086823	.709814	28	.092200	.644419
28	.079027	.769452	29	.075769	.785583	29	.084053	.728472
29	.065980	.835432	30	.062558	.848140	30	.072496	.800968
30	.052118	.887549	31	.048898	.897038	31	.059195	.860163
31	.038974	.926523	32	.036203	.933241	32	.045784	.905947
32	.027606	.954129	33	.025401	.958642	33	.033557	.939504
33	.018531	.972660	34	.016896	.975538	34	.023317	.962822
34	.011792	.984452	35	.010657	.986195	35	.015365	.978186
35	.007116	.991568	36	.006376	.992572	36	.009603	.987789
36	.004073	.995642	37	.003619	.996191	37	.005694	.993483
37	.002212	.997854	38	.001949	.998139	38	.003203	.996685
38	.001139	.998993	39	.000995	.999135	39	.001709	.998394
39	.000557	.999550	40	.000482	.999617	40	.000865	.999259
40	.000258	.999808	41	.000222	.999839	41	.000415	.999675
41	.000114	.999922	42	.000097	.999936	42	.000189	.999864
42	.000047	.999969	43	.000040	.999975	43	.000082	.999946
43	.000019	.999988	44	.000016	.999991	44	.000033	.999979
44	.000007	.999995	45	.000006	.999997	45	.000013	.999992
45	.000002	.999997	46	.000002	.999999	46	.000005	.999997
46	.000001	.999998	47	.000001	1.000000	47	.000002	.999998
47	.000000	.999998	48	.000000	1.000000	48	.000001	.999999

n=

75

## 50-100 BINOMIAL TABLES

p=.37

x	Individual Term	Cumulative (x or less)
9	.000001	.000001
10	.000004	.000005
11	.000013	.000017
12	.000039	.000057
13	.000112	.000168
14	.000291	.000459
15	.000694	.001153
16	.001529	.002682
17	.003116	.005797
18	.005896	.011693
19	.010388	.022082
20	.017083	.039165
21	.026277	.065442
22	.037880	.103322
23	.051264	.154586
24	.065233	.219820
25	.078156	.297975
26	.088271	.386246
27	.094083	.480330
28	.094723	.575053
29	.090161	.665214
30	.081192	.746106
31	.069219	.815625
32	.055897	.871523
33	.042777	.914299
34	.031034	.945333
35	.021351	.966684
36	.013933	.980617
37	.008625	.989242
38	.005065	.994308
39	.002822	.997130
40	.001492	.998622
41	.000748	.999370
42	.000356	.999725
43	.000160	.999866
44	.000068	.999954
45	.000028	.999982
46	.000011	.999992
47	.000004	.999996
48	.000001	.999997
49	.000000	.999998

p=.38

x	Individual Term	Cumulative (x or less)
9	.000000	.000001
10	.000002	.000002
11	.000006	.000008
12	.000020	.000028
13	.000059	.000087
14	.000159	.000246
15	.000396	.000642
16	.000911	.001553
17	.001938	.003492
18	.003828	.007319
19	.007038	.014358
20	.012079	.026136
21	.019389	.045826
22	.029169	.074994
23	.041196	.116191
24	.054707	.170898
25	.068401	.239299
26	.080622	.319921
27	.089676	.409598
28	.094222	.503820
29	.093593	.597413
30	.087958	.685371
31	.078256	.763627
32	.065949	.829576
33	.052669	.882245
34	.039877	.922122
35	.028630	.950752
36	.019497	.970250
37	.012596	.982846
38	.007720	.990566
39	.004489	.995055
40	.002476	.997531
41	.001296	.998827
42	.000643	.999470
43	.000302	.999772
44	.000135	.999907
45	.000057	.999964
46	.000023	.999986
47	.000009	.999995
48	.000003	.999998
49	.000001	.999999
50	.000000	.999999

p=.39

x	Individual Term	Cumulative (x or less)
10	.000001	.000001
11	.000003	.000004
12	.000010	.000013
13	.000030	.000043
14	.000085	.000128
15	.000221	.000349
16	.000529	.000878
17	.001174	.002052
18	.002418	.004470
19	.004638	.009108
20	.008303	.017411
21	.013903	.031315
22	.021818	.053133
23	.032144	.085277
24	.044528	.129806
25	.058076	.187882
26	.071405	.259287
27	.082851	.342138
28	.090806	.432944
29	.094091	.527035
30	.092240	.619275
31	.085606	.704881
32	.075256	.780138
33	.062695	.842833
34	.049515	.892348
35	.037084	.929432
36	.026344	.955776
37	.017753	.973529
38	.011350	.984880
39	.006885	.991764
40	.003962	.995726
41	.002162	.997888
42	.001119	.999007
43	.000549	.999556
44	.000255	.999811
45	.000112	.999924
46	.000047	.999971
47	.000018	.999989
48	.000007	.999996
49	.000002	.999998
50	.000001	.999999
51	.000000	1.000000

## 50-100 BINOMIAL TABLES

n=

75

p=.40

p=.41

p=.42

x	Individual Term	Cumulative (x or less)
10	.000000	.000000
11	.000001	.000002
12	.000005	.000006
13	.000015	.000021
14	.000044	.000065
15	.000120	.000185
16	.000299	.000484
17	.000692	.001176
18	.001487	.002663
19	.002973	.005636
20	.005550	.011187
21	.009691	.020878
22	.015858	.036736
23	.024362	.061098
24	.035190	.096288
25	.047858	.144146
26	.061356	.205502
27	.074233	.279735
28	.084838	.364573
29	.091664	.456237
30	.093701	.549938
31	.090679	.640617
32	.083122	.723739
33	.072207	.795946
34	.059465	.855110
35	.046439	.901849
36	.034399	.936249
37	.024172	.960421
38	.016115	.976536
39	.010192	.986729
40	.006115	.992844
41	.003480	.996324
42	.001878	.998203
43	.000961	.999164
44	.000466	.999630
45	.000214	.999844
46	.000093	.999937
47	.000038	.999975
48	.000015	.999990
49	.000005	.999995
50	.000002	.999997
51	.000001	.999998
52	.000000	.999998

x	Individual Term	Cumulative (x or less)
11	.000001	.000001
12	.000002	.000003
13	.000007	.000010
14	.000022	.000033
15	.000063	.000096
16	.000165	.000261
17	.000397	.000658
18	.000890	.001547
19	.001855	.003402
20	.003609	.007011
21	.006568	.013578
22	.012023	.024781
23	.017939	.042720
24	.027010	.069730
25	.038290	.108020
26	.051170	.159190
27	.064533	.232723
28	.076877	.300600
29	.086582	.387181
30	.092256	.479437
31	.093063	.572500
32	.089922	.661423
33	.080519	.741941
34	.069119	.811061
35	.056266	.867327
36	.043445	.910772
37	.031822	.942594
38	.022114	.964708
39	.014579	.979287
40	.009118	.988405
41	.005409	.993814
42	.003043	.996857
43	.001623	.998480
44	.000820	.999300
45	.000393	.999693
46	.000178	.999871
47	.000076	.999947
48	.000031	.999978
49	.000012	.999990
50	.000004	.999994
51	.000001	.999995
52	.000000	.999996

x	Individual Term	Cumulative (x or less)
11	.000000	.000000
12	.000001	.000001
13	.000003	.000005
14	.000011	.000016
15	.000033	.000048
16	.000088	.000137
17	.000222	.000359
18	.000518	.000877
19	.001126	.002002
20	.002282	.004284
21	.004328	.008613
22	.007693	.016305
23	.012837	.029142
24	.020141	.049283
25	.029752	.079035
26	.041432	.120467
27	.054449	.174917
28	.067592	.242509
29	.079327	.321836
30	.088080	.409916
31	.092587	.502502
32	.092188	.594690
33	.086986	.681676
34	.077811	.759486
35	.066005	.825491
36	.053107	.878599
37	.040536	.919135
38	.029354	.948488
39	.020166	.968654
40	.013143	.981797
41	.008124	.989922
42	.004763	.994684
43	.002647	.997331
44	.001394	.998725
45	.000695	.999420
46	.000328	.999748
47	.000147	.999895
48	.000062	.999957
49	.000025	.999982
50	.000009	.999991
51	.000003	.999994
52	.000001	.999996
53	.000000	.999996

## 50-100 BINOMIAL TABLES

p=.43

x	Individual Term	Cumulative (x or less)
12	.000000	.000001
13	.000002	.000002
14	.000005	.000007
15	.000016	.000024
16	.000046	.000070
17	.000121	.000191
18	.000294	.000484
19	.000665	.001149
20	.001404	.002553
21	.002774	.005326
22	.005136	.010462
23	.008928	.019389
24	.014592	.033982
25	.022457	.056438
26	.032579	.089017
27	.044603	.133620
28	.057682	.191301
29	.070523	.261824
30	.081576	.343400
31	.089332	.432732
32	.092662	.525394
33	.091086	.616179
34	.084882	.701361
35	.075011	.776372
36	.062874	.839246
37	.049995	.889241
38	.037716	.926957
39	.026993	.953951
40	.018327	.972278
41	.011802	.984080
42	.007208	.991288
43	.004173	.995460
44	.002289	.997750
45	.001190	.998940
46	.000585	.999525
47	.000272	.999797
48	.000120	.999917
49	.000050	.999967
50	.000020	.999987
51	.000007	.999994
52	.000003	.999996
53	.000001	.999997
54	.000000	.999998

p=.44

x	Individual Term	Cumulative (x or less)
12	.000000	.000000
13	.000001	.000001
14	.000002	.000003
15	.000008	.000011
16	.000023	.000035
17	.000064	.000099
18	.000162	.000261
19	.000382	.000643
20	.000840	.001482
21	.001728	.003211
22	.003333	.006544
23	.006035	.012578
24	.010273	.022852
25	.016467	.039319
26	.024881	.061200
27	.035479	.099678
28	.047788	.147466
29	.060853	.208319
30	.073313	.281632
31	.083617	.365249
32	.090337	.455585
33	.092187	.548073
34	.089767	.637840
35	.082622	.720462
36	.072131	.792593
37	.059738	.852330
38	.046937	.899267
39	.034988	.934254
40	.024741	.958996
41	.016595	.975590
42	.010555	.986145
43	.006365	.992510
44	.003637	.996147
45	.001969	.998116
46	.001009	.999124
47	.000489	.999613
48	.000224	.999837
49	.000097	.999934
50	.000040	.999974
51	.000015	.999989
52	.000006	.999995
53	.000002	.999997
54	.000001	.999997
55	.000000	1.000000

p=.45

x	Individual Term	Cumulative (x or less)
14	.000001	.000002
15	.000004	.000005
16	.000012	.000017
17	.000033	.000050
18	.000087	.000137
19	.000213	.000350
20	.000489	.000839
21	.001047	.001886
22	.002103	.003989
23	.003965	.007954
24	.007028	.014982
25	.011731	.026713
26	.018458	.045171
27	.027407	.072578
28	.034442	.111020
29	.050974	.161994
30	.063949	.225944
31	.075952	.301895
32	.085446	.387341
33	.091095	.478436
34	.092069	.570505
35	.088243	.658747
36	.040221	.738968
37	.069183	.808151
38	.056604	.864755
39	.043938	.908693
40	.032354	.941047
41	.022598	.963645
42	.014967	.978612
43	.009398	.988010
44	.005592	.993602
45	.003152	.996754
46	.001682	.998436
47	.000849	.999285
48	.000405	.999690
49	.000183	.999873
50	.000078	.999951
51	.000031	.999982
52	.000012	.999994
53	.000004	.999998
54	.000001	.999999
55	.000000	1.000000

50-100 BINOMIAL TABLES

n=

75

p=.46

p=.47

p=.48

x	Individual Term	Cumulative (x or less)
14	.000001	.000001
15	.000002	.000002
16	.000006	.000008
17	.000017	.000025
18	.000045	.000070
19	.000116	.000186
20	.000276	.000462
21	.000617	.001079
22	.001290	.002369
23	.002531	.004900
24	.004672	.009572
25	.008119	.017692
26	.013301	.030993
27	.020563	.051556
28	.030028	.081584
29	.041457	.123040
30	.054149	.177190
31	.066959	.244148
32	.078429	.322577
33	.087055	.409632
34	.091607	.501239
35	.091413	.592652
36	.086522	.679174
37	.077688	.756862
38	.066179	.823041
39	.053484	.876525
40	.041004	.917529
41	.029818	.947347
42	.020562	.967909
43	.013442	.981352
44	.008328	.989680
45	.004887	.994567
46	.002715	.997282
47	.001427	.998709
48	.000709	.999418
49	.000333	.999751
50	.000147	.999898
51	.000062	.999960
52	.000024	.999984
53	.000009	.999993
54	.000003	.999996
55	.000001	.999997
56	.000000	.999997

x	Individual Term	Cumulative (x or less)
15	.000001	.000001
16	.000003	.000004
17	.000008	.000012
18	.000023	.000035
19	.000061	.000096
20	.000152	.000248
21	.000353	.000601
22	.000769	.001370
23	.001571	.002940
24	.003018	.005958
25	.005459	.011417
26	.009310	.020727
27	.014983	.035710
28	.022778	.058488
29	.032736	.091224
30	.044513	.135738
31	.057301	.193039
32	.069869	.262908
33	.080735	.343644
34	.088442	.432085
35	.091874	.523959
36	.090526	.614485
37	.086167	.699103
38	.075038	.771140
39	.063131	.837271
40	.050385	.887656
41	.038143	.925799
42	.027382	.953181
43	.018635	.971816
44	.012018	.983834
45	.007342	.991175
46	.004246	.995421
47	.002323	.997745
48	.001202	.998947
49	.000587	.999534
50	.000271	.999805
51	.000118	.999922
52	.000048	.999971
53	.000019	.999989
54	.000007	.999996
55	.000002	.999998
56	.000001	.999999
57	.000000	.999999

x	Individual Term	Cumulative (x or less)
15	.000001	.000001
16	.000001	.000002
17	.000004	.000005
18	.000011	.000017
19	.000031	.000048
20	.000081	.000129
21	.000196	.000326
22	.000445	.000771
23	.000947	.001718
24	.001893	.003611
25	.003565	.007176
26	.006329	.013505
27	.010602	.024107
28	.016777	.040884
29	.025099	.065983
30	.035524	.101507
31	.047601	.149108
32	.060417	.209525
33	.072669	.282194
34	.082862	.365056
35	.089601	.454657
36	.091898	.546555
37	.089444	.635969
38	.082536	.718055
39	.072280	.790786
40	.060048	.850834
41	.047318	.898152
42	.035358	.933510
43	.025048	.958558
44	.016815	.975373
45	.010693	.986066
46	.006437	.992503
47	.003666	.996170
48	.001974	.998144
49	.001004	.999148
50	.000482	.999630
51	.000218	.999848
52	.000093	.999941
53	.000037	.999978
54	.000014	.999992
55	.000005	.999997
56	.000002	.999999
57	.000001	.999999
58	.000000	.999999

n=

75

## 50-100 BINOMIAL TABLES

p=.49

p=.50

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
16	.000001	.000001	16	.000000	.000000
17	.000002	.000002	17	.000001	.000001
18	.000005	.000008	18	.000003	.000004
19	.000016	.000024	19	.000008	.000011
20	.000042	.000066	20	.000021	.000032
21	.000106	.000172	21	.000056	.000088
22	.000250	.000422	22	.000137	.000225
23	.000554	.000976	23	.000315	.000540
24	.001154	.002130	24	.000682	.001222
25	.002261	.004391	25	.001392	.002614
26	.004178	.008568	26	.002677	.005291
27	.007284	.015853	27	.004858	.010119
28	.011998	.027850	28	.008328	.018477
29	.018682	.046532	29	.013498	.031975
30	.027522	.074054	30	.020696	.052671
31	.038384	.112438	31	.030043	.082714
32	.050709	.163147	32	.041309	.124023
33	.063484	.226631	33	.053827	.177850
34	.075346	.301977	34	.066492	.244342
35	.088101	.386779	35	.077891	.322233
36	.090529	.477307	36	.086545	.408778
37	.091680	.568987	37	.091223	.500001
38	.088085	.657072	38	.091223	.591224
39	.080290	.737362	39	.086545	.677769
40	.069428	.806789	40	.077891	.755660
41	.056943	.863733	41	.066192	.822152
42	.044289	.908022	42	.053827	.875979
43	.032656	.940678	43	.041309	.917288
44	.022819	.963497	44	.030043	.947330
45	.015103	.978600	45	.020696	.968027
46	.009464	.988064	46	.013498	.981524
47	.005610	.993674	47	.008328	.989852
48	.003144	.996818	48	.004858	.994711
49	.001665	.998483	49	.002677	.997388
50	.000832	.999315	50	.001392	.998780
51	.000392	.999706	51	.000682	.999462
52	.000174	.999880	52	.000315	.999777
53	.000072	.999952	53	.000137	.999914
54	.000028	.999981	54	.000056	.999969
55	.000010	.999991	55	.000021	.999991
56	.000004	.999995	56	.000008	.999998
57	.000001	.999996	57	.000003	1.000002
58	.000000	.999996	58	.000001	1.000003
			59	.000000	1.000003

50-100 BINOMIAL TABLES

n=

80

p=.01

x	Individual Term	Cumulative (x or less)
0	.447523	.447523
1	.361635	.809158
2	.144289	.953447
3	.037894	.991341
4	.007568	.998709
5	.001131	.999840
6	.000143	.999983
7	.000015	.999999
8	.000001	1.000000
9	.000000	1.000001

p=.02

x	Individual Term	Cumulative (x or less)
0	.198649	.198649
1	.324325	.522974
2	.261445	.784419
3	.138726	.923145
4	.054500	.977645
5	.016906	.994551
6	.003131	.998863
7	.000930	.999794
8	.000173	.999967
9	.000028	.999995
10	.000004	.999999
11	.000001	1.000000
12	.000000	1.000001

p=.03

x	Individual Term	Cumulative (x or less)
0	.087446	.087446
1	.216361	.303806
2	.264317	.568123
3	.212543	.780666
4	.126340	.907206
5	.059487	.966693
6	.022997	.989691
7	.007519	.997210
8	.002122	.999332
9	.000525	.999857
10	.000115	.999972
11	.000023	.999995
12	.000004	.999999
13	.000001	.999999
14	.000000	1.000000

p=.04

x	Individual Term	Cumulative (x or less)
0	.038168	.038168
1	.127226	.165394
2	.209393	.374788
3	.226843	.601630
4	.181947	.783577
5	.115233	.898810
6	.060017	.958827
7	.026436	.955263
8	.010051	.993314
9	.003350	.998665
10	.000991	.999656
11	.000263	.999919
12	.000063	.999982
13	.000014	.999996
14	.000003	.999998
15	.000001	.999999
16	.000000	.999999

p=.05

x	Individual Term	Cumulative (x or less)
0	.016515	.016515
1	.069538	.086054
2	.144567	.230621
3	.197828	.428449
4	.200431	.628880
5	.160345	.789223
6	.105490	.854715
7	.058694	.953409
8	.028188	.981597
9	.011869	.993466
10	.004435	.997901
11	.001485	.999387
12	.000450	.999836
13	.000124	.999960
14	.000031	.999991
15	.000007	.999998
16	.000002	1.000000
17	.000000	1.000001

p=.06

x	Individual Term	Cumulative (x or less)
0	.007083	.007083
1	.036169	.043253
2	.091193	.138446
3	.151342	.285788
4	.185957	.471745
5	.180418	.652163
6	.143951	.796113
7	.097134	.893247
8	.056575	.949822
9	.028889	.978712
10	.013092	.991804
11	.005318	.997122
12	.001952	.999074
13	.000652	.999726
14	.000199	.999925
15	.000056	.999981
16	.000014	.999995
17	.000003	.999999
18	.000001	1.000000
19	.000000	1.000000

n=

80

## 50-100 BINOMIAL TABLES

p=.07

p=.08

p=.09

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
0	.003010	.003010	0	.001268	.001268	0	.000529	.000529
1	.018128	.021138	1	.008819	.010087	1	.004184	.004713
2	.053896	.075034	2	.030291	.040378	2	.016346	.021059
3	.105473	.180507	3	.068485	.108863	3	.042032	.063090
4	.152823	.333329	4	.114637	.223500	4	.080022	.143112
5	.174842	.508172	5	.151521	.375020	5	.120296	.263408
6	.164502	.672674	6	.164696	.539717	6	.148718	.421225
7	.130894	.803568	7	.151398	.691114	7	.152488	.567614
8	.089902	.893469	8	.120131	.811245	8	.140324	.707937
9	.054134	.947604	9	.083569	.894815	9	.111025	.818963
10	.028930	.976534	10	.051595	.946110	10	.077962	.896925
11	.013857	.990391	11	.028551	.974960	11	.049067	.945992
12	.005997	.996388	12	.014275	.989236	12	.027903	.973895
13	.002361	.998749	13	.006493	.995729	13	.014435	.988330
14	.000851	.999599	14	.002702	.998431	14	.006832	.995163
15	.000282	.999881	15	.001034	.999465	15	.002973	.998136
16	.000086	.999967	16	.000365	.999830	16	.001195	.999330
17	.000024	.999992	17	.000120	.999949	17	.000445	.999775
18	.000006	.999998	18	.000036	.999986	18	.000154	.999929
19	.000002	1.000000	19	.000010	.999996	19	.000050	.999979
20	.000000	1.000001	20	.000003	.999999	20	.000015	.999994
			21	.000001	.999999	21	.000004	.999998
			22	.000000	1.000000	22	.000001	.999999
						23	.000000	.999999
						24	.000000	1.000000

## 50-100 BINOMIAL TABLES

n=

80

p=.10

p=.11

p=.12

x	Individual Term	Cumulative (x or less)
0	.000218	.000218
1	.001942	.002160
2	.008523	.010684
3	.024623	.035306
4	.052065	.087971
5	.088945	.176917
6	.123535	.300452
7	.145105	.445556
8	.147120	.592676
9	.130773	.723449
10	.103166	.826615
11	.072945	.899560
12	.046604	.946164
13	.027086	.973250
14	.014403	.987653
15	.007041	.994695
16	.003178	.997873
17	.001330	.999202
18	.000517	.999719
19	.000187	.999907
20	.000064	.999970
21	.000020	.999991
22	.000006	.999997
23	.000002	.999998
24	.000000	.999999

x	Individual Term	Cumulative (x or less)
0	.000089	.000089
1	.000884	.000973
2	.004314	.005287
3	.013863	.019151
4	.032984	.052134
5	.061965	.114100
6	.095733	.209833
7	.125083	.334915
8	.141070	.475985
9	.139484	.615469
10	.122402	.737871
11	.096271	.834142
12	.068417	.902559
13	.044232	.946791
14	.026163	.972953
15	.014228	.987181
16	.007144	.994325
17	.003324	.997649
18	.001438	.999087
19	.000580	.999667
20	.000219	.999885
21	.000077	.999963
22	.000026	.999988
23	.000008	.999996
24	.000002	.999999
25	.000001	.999999
26	.000000	.999999

x	Individual Term	Cumulative (x or less)
0	.000036	.000036
1	.000395	.000431
2	.002127	.002558
3	.007540	.010098
4	.019792	.029890
5	.041024	.070914
6	.069928	.140842
7	.100805	.241647
8	.125433	.367080
9	.136836	.503917
10	.132482	.636399
11	.114964	.751363
12	.090142	.841505
13	.064297	.905803
14	.041960	.947763
15	.025176	.972939
16	.013947	.986886
17	.007160	.994046
18	.003417	.997463
19	.001521	.998984
20	.000632	.999616
21	.000216	.999863
22	.000090	.999953
23	.000031	.999984
24	.000010	.999994
25	.000003	.999997
26	.000001	.999998
27	.000000	.999999

n=

80

## 50-100 BINOMIAL TABLES

p=.13

x	Individual Term	Cumulative (x or less)
0	.000015	.000015
1	.000173	.000188
2	.001023	.001211
3	.003976	.005188
4	.011437	.016625
5	.025977	.042602
6	.048521	.091123
7	.076645	.167769
8	.104507	.272275
9	.124927	.397202
10	.132538	.529740
11	.126029	.655769
12	.108283	.764052
13	.084635	.848687
14	.060523	.909210
15	.039792	.949002
16	.024155	.973158
17	.013588	.986746
18	.007107	.993853
19	.003465	.997318
20	.001579	.998897
21	.000674	.999571
22	.000270	.999842
23	.000102	.999943
24	.000036	.999979
25	.000012	.999992
26	.000004	.999995
27	.000001	.999996
28	.000000	.999997

p=.14

x	Individual Term	Cumulative (x or less)
0	.000006	.000006
1	.000075	.000081
2	.000482	.000562
3	.002039	.002601
4	.006390	.008991
5	.015811	.024802
6	.032174	.056976
7	.055368	.112344
8	.082248	.194592
9	.107113	.301705
10	.123803	.425509
11	.128253	.553761
12	.120051	.673812
13	.102226	.776037
14	.079641	.855678
15	.057045	.912723
16	.037726	.950449
17	.023121	.973570
18	.013173	.986743
19	.006998	.993741
20	.003475	.997216
21	.001616	.998832
22	.000706	.999537
23	.000290	.999827
24	.000112	.999939
25	.000041	.999980
26	.000014	.999994
27	.000005	.999998
28	.000001	1.000000
29	.000000	1.000001

p=.15

x	Individual Term	Cumulative (x or less)
0	.000002	.000002
1	.000032	.000034
2	.000222	.000256
3	.001019	.001275
4	.003462	.004737
5	.009286	.014023
6	.020483	.034506
7	.038212	.072718
8	.061532	.134250
9	.086869	.221119
10	.108842	.329961
11	.122229	.452190
12	.124027	.576217
13	.114486	.690703
14	.096688	.787391
15	.075075	.862466
16	.053822	.916289
17	.035757	.952046
18	.022085	.974131
19	.012718	.986849
20	.006845	.993695
21	.003451	.997146
22	.001633	.998779
23	.000727	.999506
24	.000305	.999811
25	.000120	.999931
26	.000045	.999976
27	.000016	.999992
28	.000005	.999998
29	.000002	.999999
30	.000001	1.000000
31	.000000	1.000000

## 50-100 BINOMIAL TABLES

n=

80

p=.16

p=.17

p=.18

x	Individual Term	Cumulative (x or less)
0	.000001	.000001
1	.000013	.000014
2	.000100	.000115
3	.000497	.000612
4	.001823	.002435
5	.005278	.007713
6	.012567	.020280
7	.025305	.045585
8	.043982	.089567
9	.067021	.156588
10	.090638	.247226
11	.109864	.357909
12	.120327	.477417
13	.119886	.597304
14	.109284	.706588
15	.091591	.798179
16	.070874	.869052
17	.050823	.919875
18	.033882	.953757
19	.021059	.974816
20	.012234	.987050
21	.006658	.993709
22	.003401	.997110
23	.001634	.998744
24	.000739	.999483
25	.000315	.999798
26	.000127	.999925
27	.000048	.999973
28	.000017	.999991
29	.000006	.999997
30	.000002	.999999
31	.000001	.999999
32	.000000	1.000000

x	Individual Term	Cumulative (x or less)
1	.000006	.000006
2	.000045	.000050
3	.000237	.000288
4	.000935	.001223
5	.002911	.004134
6	.007453	.011586
7	.016137	.027723
8	.030160	.057883
9	.049418	.107301
10	.071865	.179166
11	.093668	.272834
12	.110314	.383147
13	.118186	.501333
14	.115847	.617180
15	.104402	.721582
16	.086870	.808452
17	.066984	.875436
18	.048019	.923455
19	.032094	.955549
20	.020049	.975598
21	.011733	.987331
22	.006645	.993775
23	.003329	.997104
24	.001619	.998723
25	.000743	.999466
26	.000322	.999788
27	.000132	.999920
28	.000051	.999971
29	.000019	.999990
30	.000007	.999996
31	.000002	.999998
32	.000001	.999999
33	.000000	.999999

x	Individual Term	Cumulative (x or less)
1	.000002	.000002
2	.000019	.000022
3	.000111	.000132
4	.000468	.000600
5	.001561	.002161
6	.004283	.006444
7	.009938	.016382
8	.019906	.036288
9	.034957	.071245
10	.054482	.125727
11	.076106	.201833
12	.096060	.297893
13	.110298	.408192
14	.115871	.524062
15	.111914	.635976
16	.099801	.735778
17	.082476	.818254
18	.063366	.881619
19	.045389	.927008
20	.030388	.957396
21	.019059	.976155
22	.011220	.987675
23	.006211	.993886
24	.003238	.997124
25	.001592	.998716
26	.000739	.999455
27	.000325	.999780
28	.000135	.999915
29	.000053	.999968
30	.000020	.999988
31	.000007	.999995
32	.000002	.999997
33	.000001	.999998
34	.000000	.999998

n=

80

## 50-100 BINOMIAL TABLES

p=.19

p=.20

p=.21

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
1	.000001	.000001	1	.000000	.000000	2	.000001	.000002
2	.000008	.000009	2	.000003	.000004	3	.000010	.000012
3	.000051	.000060	3	.000023	.000027	4	.000051	.000063
4	.000229	.000288	4	.000109	.000136	5	.000206	.000269
5	.000815	.001103	5	.000415	.000550	6	.000685	.000953
6	.002389	.003492	6	.001296	.001847	7	.001924	.002878
7	.005925	.009417	7	.003426	.005272	8	.004668	.007546
8	.012681	.022098	8	.007815	.013088	9	.009927	.017472
9	.023797	.045895	9	.015630	.028718	10	.018735	.036207
10	.039632	.085527	10	.027743	.056461	11	.031692	.067899
11	.059159	.144636	11	.044137	.10598	12	.048440	.116339
12	.079792	.224478	12	.063447	.164045	13	.067354	.183693
13	.097902	.322380	13	.082969	.247014	14	.085685	.269378
14	.109902	.432282	14	.099267	.346281	15	.100219	.369596
15	.113430	.545711	15	.109194	.455475	16	.108226	.477823
16	.108091	.653802	16	.110900	.566374	17	.108307	.586130
17	.099453	.749255	17	.104376	.670750	18	.100767	.686896
18	.078366	.827621	18	.091329	.762080	19	.087407	.774303
19	.059984	.887604	19	.074505	.836585	20	.070866	.85170
20	.042914	.930518	20	.056810	.893395	21	.053822	.898992
21	.028761	.959279	21	.040579	.933974	22	.038369	.937361
22	.018093	.977372	22	.027206	.961180	23	.025720	.963082
23	.010702	.988074	23	.017152	.978332	24	.016238	.979320
24	.005962	.994036	24	.010184	.988516	25	.009669	.988989
25	.003133	.997169	25	.005703	.994219	26	.005437	.994425
26	.001554	.998723	26	.003016	.997235	27	.002891	.997316
27	.000729	.999452	27	.001508	.998743	28	.001454	.998770
28	.000324	.999776	28	.000714	.999456	29	.000693	.999464
29	.000136	.999912	29	.000320	.999776	30	.000313	.999777
30	.000054	.999966	30	.000136	.999912	31	.000134	.999911
31	.000021	.999987	31	.000055	.999967	32	.000055	.999966
32	.000007	.999994	32	.000021	.999988	33	.000021	.999987
33	.000003	.999997	33	.000008	.999996	34	.000008	.999995
34	.000001	.999998	34	.000003	.999998	35	.000003	.999997
35	.000000	.999998	35	.000001	.999999	36	.000001	.999998
			36	.000000	1.000000	37	.000000	.999999

## 50-100 BINOMIAL TABLES

n =

80

p = .22

p = .23

p = .24

x	Individual Term	Cumulative (x or less)
2	.000001	.000001
3	.000004	.000005
4	.000023	.000028
5	.000100	.000128
6	.000353	.000481
7	.001052	.001533
8	.002706	.004239
9	.006107	.010346
10	.012229	.022575
11	.021950	.044526
12	.035599	.080125
13	.052521	.132646
14	.070893	.203539
15	.087981	.291520
16	.100811	.392331
17	.107045	.499376
18	.105673	.605048
19	.097259	.702307
20	.083668	.785975
21	.067424	.853399
22	.051000	.904400
23	.036275	.940674
24	.024299	.964974
25	.015352	.980326
26	.009160	.989486
27	.005167	.994653
28	.002759	.997411
29	.001395	.998806
30	.000669	.999475
31	.000304	.999780
32	.000131	.999911
33	.000054	.999965
34	.000021	.999986
35	.000008	.999994
36	.000003	.999997
37	.000001	.999997
38	.000000	.999998

x	Individual Term	Cumulative (x or less)
3	.000002	.000002
4	.000010	.000013
5	.000047	.000060
6	.000177	.000237
7	.000560	.000797
8	.001525	.002322
9	.003645	.005967
10	.007730	.013697
11	.014694	.028391
12	.025237	.053628
13	.039431	.093059
14	.056367	.149426
15	.074082	.223507
16	.089896	.313404
17	.101090	.414494
18	.105685	.520180
19	.103013	.623192
20	.093848	.717041
21	.080093	.797134
22	.064160	.861294
23	.048328	.909622
24	.034285	.943907
25	.022940	.966846
26	.014495	.981341
27	.008659	.990000
28	.004896	.994896
29	.002622	.997518
30	.001332	.998850
31	.000642	.999491
32	.000293	.999785
33	.000127	.999912
34	.000053	.999965
35	.000021	.999986
36	.000008	.999993
37	.000003	.999996
38	.000001	.999997
39	.000000	.999997

x	Individual Term	Cumulative (x or less)
3	.000001	.000001
4	.000005	.000005
5	.000022	.000027
6	.000087	.000114
7	.000290	.000405
8	.000837	.001241
9	.002113	.003355
10	.004738	.008093
11	.009522	.017615
12	.017290	.034905
13	.028560	.063465
14	.043162	.106626
15	.059972	.166599
16	.076938	.243537
17	.091468	.335005
18	.101096	.436101
19	.104177	.540277
20	.100339	.640616
21	.090531	.731147
22	.076670	.807817
23	.061055	.868872
24	.045791	.914664
25	.032391	.947055
26	.021638	.968693
27	.013666	.982359
28	.008169	.990528
29	.004626	.995153
30	.002483	.997637
31	.001265	.998901
32	.000612	.999513
33	.000281	.999794
34	.000123	.999917
35	.000051	.999967
36	.000020	.999988
37	.000008	.999995
38	.000003	.999998
39	.000001	.999999
40	.000000	.999999

99

n=

80

## 50-100 BINOMIAL TABLES

p=.25

x	Individual Term	Cumulative (x or less)
4	.000002	.000002
5	.000010	.000012
6	.000042	.000054
7	.000147	.000201
8	.000447	.000648
9	.001192	.001839
10	.002820	.004659
11	.005982	.010641
12	.011465	.022106
13	.019990	.042097
14	.031890	.073986
15	.046771	.120758
16	.063336	.184094
17	.079481	.263574
18	.092728	.356302
19	.100862	.457163
20	.102543	.559706
21	.097660	.657365
22	.087302	.714667
23	.073384	.818051
24	.058096	.876147
25	.043378	.919525
26	.030587	.950112
27	.020391	.970503
28	.012866	.983369
29	.007690	.991059
30	.004358	.995417
31	.002343	.997760
32	.001196	.998956
33	.000580	.999536
34	.000267	.999803
35	.000117	.999920
36	.000049	.999969
37	.000019	.999988
38	.000007	.999995
39	.000003	.999998
40	.000001	.999999
41	.000000	.999999

p=.26

x	Individual Term	Cumulative (x or less)
4	.000001	.000001
5	.000004	.000005
6	.000020	.000025
7	.000073	.000098
8	.000233	.000330
9	.000654	.000984
10	.001631	.002615
11	.003647	.006262
12	.007308	.013531
13	.013542	.027173
14	.022770	.049943
15	.035201	.085144
16	.050245	.135389
17	.066461	.201850
18	.081729	.283579
19	.093704	.377283
20	.100415	.477698
21	.100803	.578501
22	.094982	.673483
23	.084156	.757639
24	.070225	.827864
25	.055269	.883132
26	.041078	.924210
27	.028866	.953076
28	.019197	.972273
29	.012095	.984368
30	.007224	.991592
31	.004094	.995686
32	.002203	.997888
33	.001126	.999014
34	.000547	.999561
35	.000252	.999813
36	.000111	.999924
37	.000046	.999970
38	.000018	.999989
39	.000007	.999996
40	.000003	.999998
41	.000001	.999999
42	.000000	.999999

p=.27

x	Individual Term	Cumulative (x or less)
5	.000002	.000002
6	.000009	.000011
7	.000035	.000046
8	.000118	.000164
9	.000350	.000514
10	.000918	.001432
11	.002160	.003592
12	.004595	.008187
13	.008889	.017076
14	.015734	.028210
15	.025606	.058416
16	.038475	.096891
17	.053573	.150464
18	.069351	.219815
19	.083702	.303516
20	.094422	.397939
21	.099781	.497719
22	.098973	.596693
23	.092312	.689005
24	.081089	.770094
25	.067182	.837275
26	.052563	.889839
27	.038882	.928721
28	.027221	.955943
29	.018053	.973996
30	.011351	.985347
31	.006772	.992119
32	.003835	.995954
33	.002063	.998017
34	.001055	.999072
35	.000513	.999585
36	.000237	.999822
37	.000104	.999926
38	.000044	.999970
39	.000017	.999987
40	.000007	.999994
41	.000002	.999996
42	.000001	.999997
43	.000000	.999998

100

## 50-100 BINOMIAL TABLES

n=80

p=.28

p=.29

p=.30

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
5	.000001	.000001	6	.000002	.000002	6	.000001	.000001
6	.000004	.000005	7	.000008	.000010	7	.000003	.000004
7	.000016	.000021	8	.000028	.000038	8	.000013	.000018
8	.000059	.000080	9	.000093	.000131	9	.000046	.000064
9	.000182	.000262	10	.000268	.000399	10	.000140	.000203
10	.000503	.000765	11	.000697	.001096	11	.000381	.000584
11	.001244	.002009	12	.001638	.002734	12	.000938	.001521
12	.002783	.004792	13	.003499	.006233	13	.002102	.003623
13	.005660	.010452	14	.006840	.013074	14	.004311	.007935
14	.010534	.020986	15	.012933	.025367	15	.008330	.016065
15	.018025	.039011	16	.020398	.045765	16	.014155	.030220
16	.028477	.067489	17	.031366	.077131	17	.022838	.053058
17	.041692	.109181	18	.044841	.121972	18	.034257	.087315
18	.065748	.165929	19	.059765	.181737	19	.047908	.135223
19	.072013	.237942	20	.074454	.256191	20	.062623	.197846
20	.085416	.323358	21	.086888	.343079	21	.076682	.274528
21	.094906	.418264	22	.095176	.438255	22	.088134	.362662
22	.098981	.517244	23	.098032	.536287	23	.095250	.457912
23	.097068	.614312	24	.095098	.631385	24	.096951	.554863
24	.089653	.703965	25	.087008	.718393	25	.093073	.647937
25	.078098	.782063	26	.075178	.793571	26	.064380	.732316
26	.066247	.846310	27	.061413	.851984	27	.072325	.804641
27	.049970	.896280	28	.047481	.902464	28	.058672	.863314
28	.036783	.933063	29	.034774	.937239	29	.045088	.908401
29	.025650	.958713	30	.024146	.961385	30	.032850	.941251
30	.016957	.975670	31	.015907	.977292	31	.022707	.963958
31	.010636	.986307	32	.009949	.987241	32	.014902	.978860
32	.006334	.992640	33	.005911	.991152	33	.009289	.988149
33	.003583	.996223	34	.003337	.996489	34	.005503	.993653
34	.001926	.998149	35	.001792	.998281	35	.003100	.996752
35	.000984	.999134	36	.000915	.999196	36	.001661	.998413
36	.000479	.999612	37	.000444	.999640	37	.000846	.999259
37	.000221	.999833	38	.000205	.999845	38	.000410	.999670
38	.000097	.999931	39	.000090	.999936	39	.000189	.999859
39	.000041	.999972	40	.000038	.999974	40	.000083	.999942
40	.000016	.999988	41	.000015	.999989	41	.000035	.999977
41	.000006	.999994	42	.000006	.999994	42	.000014	.999991
42	.000002	.999996	43	.000002	.999996	43	.000005	.999996
43	.000001	.999997	44	.000001	.999997	44	.000002	.999998
44	.000000	.999997	45	.000000	.999997	45	.000001	.999999
			46			46	.000000	.999999

n=

80

## 50-100 BINOMIAL TABLES

p=.31

x	Individual Term	Cumulative (x or less)
7	.000002	.000002
8	.000006	.000008
9	.000022	.000030
10	.000071	.000101
11	.000202	.000303
12	.000522	.000826
13	.001228	.002053
14	.002640	.004693
15	.005218	.009911
16	.009524	.019435
17	.016109	.035544
18	.025331	.060874
19	.037136	.098010
20	.050887	.148897
21	.065321	.214218
22	.078703	.292922
23	.089167	.382089
24	.095144	.477234
25	.095751	.572895
26	.091001	.663985
27	.081769	.745754
28	.069537	.815292
29	.056019	.871311
30	.042786	.914096
31	.031004	.945101
32	.021329	.966430
33	.013939	.980368
34	.008657	.989025
35	.005112	.994136
36	.002871	.997007
37	.001534	.998541
38	.000780	.999320
39	.000377	.999698
40	.000174	.999871
41	.000076	.999948
42	.000032	.999979
43	.000013	.999992
44	.000005	.999997
45	.000002	.999998
46	.000001	.999999
47	.000000	.999999

p=.32

x	Individual Term	Cumulative (x or less)
7	.000001	.000001
8	.000003	.000004
9	.000010	.000014
10	.000035	.000049
11	.000105	.000154
12	.000283	.000337
13	.000697	.001135
14	.001571	.002705
15	.003253	.005958
16	.006218	.012176
17	.011016	.023192
18	.018144	.041337
19	.027863	.069199
20	.039991	.109190
21	.053769	.162959
22	.067859	.230818
23	.080528	.311346
24	.090002	.401348
25	.094872	.496220
26	.094443	.590663
27	.088888	.679551
28	.079177	.758728
29	.066811	.825539
30	.053449	.878987
31	.040568	.919555
32	.029233	.948788
33	.020010	.968798
34	.013017	.981815
35	.008051	.989866
36	.004736	.994601
37	.002650	.997251
38	.001411	.998663
39	.000715	.999378
40	.000345	.999723
41	.000158	.999981
42	.000069	.999950
43	.000029	.999979
44	.000011	.999991
45	.000004	.999995
46	.000002	.999996
47	.000001	.999997
48	.000000	.999997

p=.33

x	Individual Term	Cumulative (x or less)
8	.000001	.000002
9	.000005	.000006
10	.000017	.000023
11	.000053	.000076
12	.000150	.000226
13	.000386	.000611
14	.000909	.001520
15	.001970	.003490
16	.003942	.007432
17	.007309	.014742
18	.012600	.027342
19	.020251	.047593
20	.030423	.078016
21	.042812	.120828
22	.056550	.177378
23	.070238	.247616
24	.082163	.329779
25	.090649	.420428
26	.094448	.514876
27	.093038	.607914
28	.086740	.694654
29	.076606	.771260
30	.064143	.835403
31	.050956	.886360
32	.038431	.924791
33	.027533	.952323
34	.018746	.971069
35	.012135	.983204
36	.007471	.990675
37	.004376	.995051
38	.002439	.997490
39	.001294	.998784
40	.000653	.999437
41	.000314	.999751
42	.000144	.999894
43	.000062	.999957
44	.000026	.999983
45	.000010	.999993
46	.000004	.999997
47	.000001	.999998
48	.000000	.999999

## 50-100 BINOMIAL TABLES

n=

80

p=.34

p=.35

p=.36

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
8	.000001	.000001	9	.000001	.000001	9	.000000	.000001
9	.000002	.000003	10	.000004	.000005	10	.000002	.000002
10	.000008	.000011	11	.000012	.000017	11	.000006	.000008
11	.000026	.000037	12	.000039	.000056	12	.000019	.000027
12	.000077	.000114	13	.000109	.000165	13	.000056	.000082
13	.000208	.000321	14	.000280	.000445	14	.000149	.000232
14	.000512	.000833	15	.000664	.001109	15	.000370	.000602
15	.001160	.001993	16	.001453	.002562	16	.000845	.001447
16	.002428	.004421	17	.002945	.005507	17	.001790	.003237
17	.004708	.009129	18	.005551	.011058	18	.003524	.006762
18	.008489	.017617	19	.009753	.020811	19	.006469	.013231
19	.014269	.031887	20	.016017	.036828	20	.011099	.024330
20	.022420	.054307	21	.024642	.061470	21	.017837	.042167
21	.033000	.087307	22	.035585	.097055	22	.026908	.069075
22	.045590	.132897	23	.048319	.145374	23	.038168	.107244
23	.059225	.192122	24	.061792	.207166	24	.050991	.158234
24	.072461	.264584	25	.074531	.281697	25	.061248	.222483
25	.083016	.348200	26	.084895	.366591	26	.076449	.298932
26	.091120	.439320	27	.091425	.458016	27	.086005	.384937
27	.093881	.533202	28	.093183	.551200	28	.091573	.476510
28	.091544	.624746	29	.089970	.641170	29	.092362	.568872
29	.084561	.709308	30	.082357	.723527	30	.088321	.657193
30	.074055	.783363	31	.071526	.795053	31	.080130	.737323
31	.061532	.844895	32	.058975	.854027	32	.069018	.806342
32	.048538	.893433	33	.046190	.90217	33	.056469	.802811
33	.036370	.929803	34	.034381	.934598	34	.043909	.906720
34	.025900	.955702	35	.024331	.958930	35	.032461	.939182
35	.017536	.973238	36	.016377	.975306	36	.022824	.962006
36	.011292	.984530	37	.010487	.985793	37	.015268	.977274
37	.006918	.991447	38	.006390	.992183	38	.009718	.986992
38	.004032	.995480	39	.003705	.995888	39	.005887	.992879
39	.002237	.997717	40	.002045	.997933	40	.003394	.996273
40	.001181	.998498	41	.001074	.999007	41	.001863	.998136
41	.000594	.999492	42	.000537	.999544	42	.000973	.999109
42	.000284	.999776	43	.000256	.999800	43	.000484	.999592
43	.000129	.999905	44	.000116	.999916	44	.000229	.999821
44	.000056	.999961	45	.000050	.999965	45	.000103	.999924
45	.000023	.999984	46	.000020	.999986	46	.000044	.999968
46	.000009	.999993	47	.000008	.999994	47	.000018	.999986
47	.000003	.999997	48	.000003	.999997	48	.000007	.999993
48	.000001	.999998	49	.000001	.999998	49	.000003	.999995
49	.000000	.999998	50	.000000	.999998	50	.000001	.999996

n=

80

## 50-100 BINOMIAL TABLES

p=.37

x	Individual Term	Cumulative (x or less)
10	.000001	.000001
11	.000003	.000004
12	.000009	.000013
13	.000028	.000040
14	.000078	.000118
15	.000200	.000318
16	.000478	.000797
17	.001058	.001854
18	.002174	.004028
19	.004166	.008194
20	.007463	.015657
21	.012522	.028179
22	.019723	.047902
23	.029211	.077113
24	.040744	.117857
25	.053601	.171458
26	.066592	.238051
27	.078220	.316270
28	.086955	.403225
29	.091572	.494797
30	.091426	.586223
31	.086604	.672828
32	.077884	.750711
33	.066533	.817244
34	.054015	.871259
35	.041693	.912953
36	.030608	.943561
37	.021377	.964938
38	.014207	.979145
39	.008985	.988131
40	.005409	.993540
41	.003099	.996639
42	.001690	.998329
43	.000877	.999206
44	.000433	.999640
45	.000204	.999843
46	.000091	.999934
47	.000039	.999973
48	.000016	.999988
49	.000006	.999994
50	.000002	.999997
51	.000001	.999997
52	.000000	.999998

p=.38

x	Individual Term	Cumulative (x or less)
10	.000000	.000000
11	.000001	.000002
12	.000004	.000006
13	.000013	.000019
14	.000039	.000058
15	.000106	.000164
16	.000263	.000427
17	.000607	.001035
18	.001303	.002337
19	.002606	.004943
20	.004871	.009814
21	.008530	.018343
22	.014020	.032363
23	.021669	.054032
24	.031542	.085574
25	.043304	.128879
26	.056145	.185024
27	.068823	.253848
28	.079845	.333692
29	.087749	.421441
30	.091429	.512870
31	.090382	.603252
32	.084824	.688077
33	.075621	.763697
34	.064069	.827767
35	.051610	.879377
36	.039540	.918916
37	.028819	.947735
38	.019987	.967723
39	.013193	.980915
40	.008288	.989203
41	.004956	.994159
42	.002820	.996979
43	.001528	.998507
44	.000787	.999294
45	.000386	.999681
46	.000180	.999861
47	.000080	.999940
48	.000034	.999974
49	.000013	.999987
50	.000005	.999993
51	.000002	.999994
52	.000001	.999995
53	.000000	.999995

p=.39

x	Individual Term	Cumulative (x or less)
11	.000001	.000001
12	.000002	.000003
13	.000006	.000009
14	.000019	.000028
15	.000054	.000082
16	.000141	.000223
17	.000339	.000562
18	.000759	.001321
19	.001583	.002904
20	.003087	.005991
21	.005639	.011630
22	.009668	.021298
23	.015587	.036885
24	.023669	.060554
25	.033897	.094450
26	.045844	.140294
27	.058620	.198914
28	.070941	.269855
29	.081328	.351183
30	.088394	.439576
31	.091152	.530728
32	.089237	.619965
33	.082986	.702951
34	.073343	.776295
35	.061629	.837924
36	.049253	.887176
37	.037447	.924623
38	.027092	.951715
39	.018653	.970368
40	.012224	.982592
41	.007625	.990217
42	.004527	.994743
43	.002558	.997301
44	.001375	.998676
45	.000703	.999379
46	.000342	.999721
47	.000158	.999875
48	.000070	.999945
49	.000029	.999978
50	.000012	.999985
51	.000004	.999994
52	.000002	.999995
53	.000001	.999996
54	.000000	.999996

## 50-100 BINOMIAL TABLES

n=

80

p=.40

p=.41

p=.42

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
11	.000000	.000000	13	.000001	.000002	13	.000001	.000001
12	.000001	.000001	14	.000004	.000006	14	.000002	.000003
13	.000003	.000004	15	.000013	.000019	15	.000006	.000009
14	.000009	.000013	16	.000037	.000056	16	.000018	.000027
15	.000027	.000040	17	.000097	.000153	17	.000050	.000077
16	.000073	.000114	18	.000236	.000390	18	.000126	.000203
17	.000164	.000298	19	.000536	.000926	19	.000299	.000502
18	.000429	.000727	20	.001136	.002061	20	.000659	.001161
19	.000934	.001662	21	.002255	.004316	21	.001364	.002525
20	.001900	.003561	22	.004202	.008518	22	.002649	.005174
21	.003619	.007180	23	.007363	.015881	23	.004837	.010012
22	.006470	.013850	24	.012153	.028034	24	.008320	.018332
23	.010877	.024526	25	.018917	.046951	25	.013495	.031826
24	.017221	.041747	26	.027809	.074760	26	.020672	.052499
25	.025717	.067664	27	.038649	.113409	27	.029939	.082437
26	.036267	.103732	28	.050838	.164248	28	.041037	.123474
27	.048357	.152088	29	.063347	.227595	29	.053284	.176759
28	.061021	.213110	30	.074836	.302431	30	.065595	.242353
29	.072945	.286055	31	.083878	.386309	31	.076612	.318966
30	.082671	.368726	32	.089254	.475563	32	.084951	.403917
31	.088894	.457620	33	.090216	.565779	33	.089478	.493394
32	.090746	.548365	34	.086664	.652443	34	.089568	.582963
33	.087996	.636361	35	.079151	.731594	35	.085244	.668207
34	.081094	.717455	36	.068754	.800349	36	.077161	.745368
35	.071054	.788509	37	.056818	.857166	37	.066446	.811814
36	.059212	.847720	38	.044679	.901845	38	.054447	.866262
37	.046942	.894663	39	.033436	.935281	39	.042460	.908722
38	.035433	.930076	40	.023816	.959097	40	.031516	.940237
39	.025425	.955500	41	.016147	.975244	41	.022265	.962503
40	.017373	.972874	42	.010419	.985663	42	.014971	.977474
41	.011300	.984174	43	.006398	.992061	43	.009581	.987055
42	.006995	.991169	44	.003739	.995800	44	.005834	.992889
43	.004121	.995290	45	.002079	.997879	45	.003380	.996268
44	.002310	.997600	46	.001099	.998978	46	.001862	.998130
45	.001232	.998832	47	.000552	.999530	47	.000975	.999106
46	.000625	.999457	48	.000264	.999794	48	.000486	.999592
47	.000301	.999759	49	.000120	.999914	49	.000230	.999821
48	.000138	.999897	50	.000052	.999966	50	.000103	.999924
49	.000060	.999957	51	.000021	.999987	51	.000044	.999968
50	.000025	.999982	52	.000008	.999995	52	.000018	.999986
51	.000010	.999992	53	.000003	.999998	53	.000007	.999993
52	.000004	.999995	54	.000001	.999999	54	.000002	.999995
53	.000001	.999997	55	.000000	.999999	55	.000001	.999996
54	.000000	.999997				56	.000000	.999996

n=

80

## 50-100 BINOMIAL TABLES

p=.43

x	Individual Term	Cumulative (x or less)
14	.000001	.000001
15	.000003	.000004
16	.000009	.000013
17	.000025	.000038
18	.000066	.000103
19	.000162	.000265
20	.000372	.000637
21	.000801	.001438
22	.001621	.003059
23	.003084	.006143
24	.005526	.011669
25	.009337	.021006
26	.014901	.035907
27	.022482	.058389
28	.032103	.090493
29	.043426	.133918
30	.055691	.189610
31	.067763	.257372
32	.078276	.335648
33	.085892	.421540
34	.089570	.511110
35	.088807	.599917
36	.083743	.683660
37	.075127	.758787
38	.064132	.822919
39	.052102	.875020
40	.040287	.915308
41	.029651	.944959
42	.020771	.965729
43	.013847	.979576
44	.008784	.988360
45	.005301	.993662
46	.003043	.996705
47	.001661	.998365
48	.000861	.999226
49	.000424	.999651
50	.000198	.999849
51	.000088	.999937
52	.000037	.999974
53	.000015	.999989
54	.000006	.999995
55	.000002	.999997
56	.000001	.999998
57	.000000	.999998

p=.44

x	Individual Term	Cumulative (x or less)
14	.000000	.000000
15	.000001	.000002
16	.000004	.000006
17	.000012	.000018
18	.000033	.000051
19	.000085	.000136
20	.000204	.000340
21	.000457	.000797
22	.000963	.001760
23	.001908	.003668
24	.003561	.007229
25	.006267	.013496
26	.010416	.023912
27	.016368	.040280
28	.024344	.064624
29	.034297	.098922
30	.045811	.144733
31	.058056	.202789
32	.069848	.272637
33	.079827	.352164
34	.086703	.439167
35	.095334	.528700
36	.087935	.616635
37	.082163	.698798
38	.073051	.771849
39	.061812	.833662
40	.049781	.883443
41	.038160	.921602
42	.027841	.949443
43	.019331	.968775
44	.012773	.981547
45	.008028	.989576
46	.004800	.994375
47	.002728	.997103
48	.001474	.998577
49	.000756	.999333
50	.000368	.999702
51	.000170	.999872
52	.000075	.999946
53	.000031	.999977
54	.000012	.999990
55	.000005	.999994
56	.000002	.999996
57	.000001	.999996
58	.000000	.999996

p=.45

x	Individual Term	Cumulative (x or less)
15	.000001	.000001
16	.000002	.000003
17	.000006	.000008
18	.000016	.000025
19	.000043	.000068
20	.000108	.000176
21	.000253	.000299
22	.000555	.000984
23	.001146	.002130
24	.002226	.004356
25	.004080	.008436
26	.007062	.015498
27	.011555	.027053
28	.017896	.044949
29	.026254	.071203
30	.036518	.107721
31	.048190	.159511
32	.060375	.216286
33	.071851	.288137
34	.081265	.369402
35	.087386	.456787
36	.089372	.546159
37	.086956	.633116
38	.080507	.713623
39	.070937	.784560
40	.059490	.844050
41	.047486	.891536
42	.036077	.927614
43	.026086	.953699
44	.017947	.971646
45	.011747	.983394
46	.007313	.990707
47	.004328	.995035
48	.002435	.997470
49	.001301	.998771
50	.000660	.999431
51	.000318	.999748
52	.000145	.999893
53	.000063	.999956
54	.000026	.999981
55	.000010	.999991
56	.000004	.999995
57	.000001	.999996
58	.000000	.999997

## 50-100 BINOMIAL TABLES

n=

80

p=.46

p=.47

p=.48

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
15	.000000	.000000	17	.000001	.000002	17	.000000	.000001
16	.000001	.000001	18	.000004	.000005	18	.000002	.000002
17	.000003	.000004	19	.000010	.000016	19	.000005	.000007
18	.000008	.000011	20	.000028	.000044	20	.000014	.000021
19	.000022	.000033	21	.000071	.000114	21	.000036	.000057
20	.000056	.000089	22	.000169	.000283	22	.000089	.000145
21	.000136	.000225	23	.000377	.000660	23	.000207	.000352
22	.000311	.000535	24	.000794	.001454	24	.000453	.000805
23	.000667	.001203	25	.001578	.003032	25	.000937	.001742
24	.001350	.002553	26	.002960	.005992	26	.001829	.003571
25	.002576	.005129	27	.005249	.011241	27	.003377	.006948
26	.004643	.009772	28	.008821	.020052	28	.005900	.012848
27	.007910	.017681	29	.014010	.034062	29	.009766	.022614
28	.012754	.030435	30	.021121	.055183	30	.015325	.037939
29	.019481	.049916	31	.030210	.085393	31	.022816	.060755
30	.028211	.078126	32	.041022	.126416	32	.032250	.093005
31	.038760	.116887	33	.052914	.179329	33	.043300	.136305
32	.050559	.167445	34	.064865	.244194	34	.055252	.191557
33	.062645	.230091	35	.075600	.319794	35	.067031	.258588
34	.073769	.303859	36	.083802	.403595	36	.077344	.335932
35	.082590	.386449	37	.088374	.491969	37	.084901	.420833
36	.087943	.474391	38	.088681	.580651	38	.088682	.509515
37	.089087	.563478	39	.084691	.665342	39	.088157	.597672
38	.085874	.649352	40	.076981	.742323	40	.083410	.681083
39	.078779	.728131	41	.066601	.808925	41	.075116	.756199
40	.068786	.796917	42	.054843	.863768	42	.064385	.820584
41	.057166	.854084	43	.062979	.906747	43	.052522	.873106
42	.045219	.899302	44	.032050	.938797	44	.040769	.913875
43	.034041	.933343	45	.022737	.961534	45	.030106	.943981
44	.024384	.957728	46	.015342	.976876	46	.021145	.965126
45	.016617	.971345	47	.009842	.986718	47	.014120	.979245
46	.010771	.985116	48	.006000	.992718	48	.008961	.988206
47	.006637	.991753	49	.003475	.996193	49	.005402	.993608
48	.003887	.995640	50	.001911	.998103	50	.003091	.996699
49	.002162	.997802	51	.000997	.999100	51	.001679	.998378
50	.001142	.998944	52	.000493	.999593	52	.000864	.999422
51	.000572	.999517	53	.000231	.999824	53	.000421	.999663
52	.000272	.999789	54	.000102	.999926	54	.000194	.999858
53	.000122	.999911	55	.000043	.999969	55	.000085	.999442
54	.000052	.999963	56	.000017	.999986	56	.000035	.999977
55	.000021	.999984	57	.000006	.999992	57	.000014	.999991
56	.000008	.999992	58	.000002	.999995	58	.000005	.999996
57	.000003	.999995	59	.000001	.999995	59	.000002	.999998
58	.000001	.999996	60	.000000	.999995	60	.000001	.999998
59	.000000	.999996	61	.000000	.999996	61	.000000	.999999

p=.49

x	Individual Term	Cumulative (x or less)
18	.000001	.000001
19	.000002	.000003
20	.000006	.000010
21	.000018	.000027
22	.000045	.000072
23	.000110	.000182
24	.000250	.000433
25	.000539	.000972
26	.001096	.002067
27	.002105	.004173
28	.003829	.008002
29	.006596	.014598
30	.010774	.025372
31	.016696	.042069
32	.024563	.066632
33	.034288	.100960
34	.045592	.146551
35	.057571	.204122
36	.069141	.273264
37	.078998	.352262
38	.085887	.438148
39	.088866	.527015
40	.087516	.614530
41	.082033	.696563
42	.073186	.769750
43	.062140	.831889
44	.050205	.882094
45	.038589	.920683
46	.028210	.948893
47	.019607	.968499
48	.012951	.981450
49	.008126	.989576
50	.004841	.994417
51	.002736	.997153
52	.001466	.998619
53	.000744	.999363
54	.000357	.999720
55	.000162	.999883
56	.000070	.999952
57	.000028	.999980
58	.000011	.999991
59	.000004	.999995
60	.000001	.999996
61	.000000	.999997

p=.50

x	Individual Term	Cumulative (x or less)
18	.000000	.000000
19	.000001	.000001
20	.000003	.000004
21	.000008	.000013
22	.000022	.000035
23	.000057	.000092
24	.000134	.000226
25	.000301	.000526
26	.000636	.001162
27	.001272	.002434
28	.002407	.004841
29	.004317	.009158
30	.007338	.016496
31	.011836	.028332
32	.018124	.046456
33	.026362	.072818
34	.036441	.109259
35	.047894	.157153
36	.059868	.217021
37	.071194	.288216
38	.080562	.368777
39	.086759	.455536
40	.088928	.544464
41	.086759	.631223
42	.080562	.711785
43	.071194	.782979
44	.059868	.842847
45	.047894	.890741
46	.036441	.927133
47	.026362	.953545
48	.018124	.971668
49	.011836	.983504
50	.007338	.990842
51	.004317	.995159
52	.002407	.997566
53	.001272	.998838
54	.000636	.999474
55	.000301	.999775
56	.000134	.999909
57	.000057	.999965
58	.000022	.999988
59	.000008	.999996
60	.000003	.999999
61	.000001	1.000001
62	.000000	1.000001

50-100 BINOMIAL TABLES

**n =**

**85**

**p = .01**

x	Individual Term	Cumulative (x or less)
0	.425590	.425590
1	.365406	.790996
2	.155021	.946016
3	.043322	.989339
4	.008971	.998310
5	.001408	.999777
6	.000198	.999975
7	.000023	.999998
8	.000002	1.000000
9	.000000	1.000001

**p = .02**

x	Individual Term	Cumulative (x or less)
0	.179563	.179563
1	.311487	.491049
2	.266988	.758038
3	.150749	.908786
4	.063068	.971855
5	.020851	.992706
6	.005674	.998380
7	.001307	.999686
8	.000260	.999946
9	.000045	.999992
10	.000007	.999999
11	.000001	1.000000
12	.000000	1.000000

**p = .03**

x	Individual Term	Cumulative (x or less)
0	.075093	.075093
1	.197409	.272501
2	.256428	.528929
3	.219417	.748346
4	.139115	.887461
5	.069701	.957162
6	.028743	.985905
7	.010032	.995937
8	.003025	.998963
9	.000800	.999763
10	.000188	.999951
11	.000040	.999991
12	.000008	.999999
13	.000001	1.000000
14	.000000	1.000001

**p = .04**

x	Individual Term	Cumulative (x or less)
0	.031121	.031121
1	.110221	.141342
2	.192886	.334227
3	.222355	.556582
4	.189928	.746510
5	.128201	.874711
6	.071223	.945934
7	.033492	.979426
8	.013606	.993032
9	.004850	.997882
10	.001526	.999118
11	.000436	.999854
12	.000112	.999966
13	.000026	.999992
14	.000006	.999998

**p = .05**

x	Individual Term	Cumulative (x or less)
0	.012779	.012779
1	.057170	.069950
2	.126377	.196327
3	.184022	.380349
4	.198550	.578899
5	.169290	.748190
6	.118800	.866990
7	.070566	.937555
8	.036211	.973767
9	.016306	.990072
10	.006522	.996595
11	.002341	.998935
12	.000760	.999695
13	.000225	.999919
14	.000061	.999980
15	.000015	.999995
16	.000003	.999999
17	.000001	.999999
18	.000000	.999999

**p = .06**

x	Individual Term	Cumulative (x or less)
0	.005198	.005198
1	.028204	.033402
2	.075611	.109013
3	.133525	.242538
4	.174719	.417257
5	.180667	.597924
6	.153759	.751683
7	.110763	.862445
8	.068932	.931377
9	.037644	.969021
10	.018261	.987282
11	.007947	.995229
12	.003128	.998357
13	.001121	.999479
14	.000368	.999847
15	.000111	.999958
16	.000031	.999989
17	.000008	.999997
18	.000002	.999999
19	.000000	.999999

n=

85

## 50-100 BINOMIAL TABLES

p=.07

p=.08

p=.09

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
0	.002094	.002094	0	.000836	.000836	0	.000330	.000330
1	.013399	.015494	1	.006176	.007011	1	.002774	.003104
2	.042359	.057853	2	.022555	.029566	2	.011524	.014628
3	.088211	.146064	3	.054262	.083828	3	.031532	.06159
4	.136110	.282174	4	.096728	.180556	4	.063930	.110089
5	.165966	.448140	5	.136261	.316817	5	.102428	.212517
6	.166561	.514701	6	.157983	.474800	6	.135070	.347586
7	.141487	.756188	7	.155039	.629840	7	.150760	.498347
8	.103833	.860021	8	.131446	.761286	8	.145376	.643723
9	.066865	.926887	9	.097791	.859077	9	.123011	.766733
10	.038250	.965136	10	.064627	.923704	10	.092461	.859194
11	.019630	.984766	11	.038316	.962021	11	.062349	.921542
12	.009111	.993877	12	.020547	.982567	12	.038026	.959568
13	.003851	.997728	13	.010033	.992600	13	.021118	.980687
14	.001491	.999219	14	.004487	.997087	14	.010741	.991428
15	.000531	.999750	15	.001847	.998933	15	.005028	.996456
16	.000175	.999925	16	.000703	.999636	16	.002176	.998632
17	.000053	.999978	17	.000248	.999884	17	.000873	.999506
18	.000015	.999994	18	.000081	.999965	18	.000326	.999832
19	.000004	.999998	19	.000025	.999990	19	.000114	.999946
20	.000001	.999999	20	.000007	.999997	20	.000037	.999983
21	.000000	.999999	21	.000002	.999999	21	.000011	.999994
			22	.000000	1.000000	22	.000003	.999998
						23	.000001	.999998
						24	.000000	.999999

## 50-100 BINOMIAL TABLES

n=

85

p=.10

p=.11

p=.12

x	Individual Term	Cumulative (x or less)
0	.000129	.000129
1	.001218	.001347
2	.005686	.007033
3	.017479	.024512
4	.039813	.064325
5	.071663	.135988
6	.106167	.242155
7	.133130	.375285
8	.144224	.519509
9	.137102	.656612
10	.115775	.772387
11	.087708	.860095
12	.060097	.920192
13	.037496	.957688
14	.021426	.979114
15	.011269	.990383
16	.005478	.995861
17	.002470	.998331
18	.001037	.999368
19	.000406	.999774
20	.000149	.999923
21	.000051	.999974
22	.000017	.999991
23	.000005	.999996
24	.000001	.999997
25	.000000	.999998

x	Individual Term	Cumulative (x or less)
0	.000050	.000050
1	.000524	.000574
2	.002722	.003296
3	.009306	.012602
4	.023580	.036182
5	.047213	.083395
6	.077803	.161198
7	.108525	.269723
8	.130779	.400502
9	.138289	.538791
10	.129899	.668690
11	.109465	.778155
12	.083431	.861586
13	.057904	.919491
14	.036806	.956297
15	.021532	.977829
16	.011843	.989472
17	.005841	.995313
18	.002727	.998040
19	.001189	.999229
20	.000485	.999713
21	.000185	.999899
22	.000067	.999966
23	.000023	.999988
24	.000007	.999995
25	.000002	.999998
26	.000001	.999998
27	.000000	.999998

x	Individual Term	Cumulative (x or less)
0	.000019	.000019
1	.000221	.000240
2	.001268	.001508
3	.004784	.006292
4	.013372	.019664
5	.029540	.049204
6	.053709	.102914
7	.082657	.185570
8	.109896	.295466
9	.128212	.423078
10	.132874	.556552
11	.123540	.680092
12	.103886	.783978
13	.079549	.863527
14	.055788	.919314
15	.036008	.955323
16	.021482	.976805
17	.011890	.988695
18	.006125	.994820
19	.002945	.997765
20	.001325	.999090
21	.000559	.999650
22	.000222	.999872
23	.000083	.999955
24	.000029	.999984
25	.000010	.999994
26	.000003	.999997
27	.000001	.999998
28	.000000	.999998

## 50-100 BINOMIAL TABLES

p=.13

x	Individual Term	Cumulative (x or less)
0	.000007	.000007
1	.000092	.000099
2	.000576	.000675
3	.002383	.003058
4	.007298	.010356
5	.017667	.028023
6	.035193	.063220
7	.059356	.122576
8	.08476	.209052
9	.110552	.319605
10	.125547	.445151
11	.127908	.573059
12	.117862	.690921
13	.098895	.789818
14	.075998	.865815
15	.053752	.919567
16	.035140	.954706
17	.021312	.976018
18	.012030	.988049
19	.006339	.994383
20	.003126	.997514
21	.001446	.999595
22	.000628	.999583
23	.000257	.999845
24	.000099	.999944
25	.000036	.999980
26	.000012	.999993
27	.000004	.999997
28	.000001	.999998
29	.000000	.999999

p=.14

x	Individual Term	Cumulative (x or less)
0	.000003	.000003
1	.000037	.000040
2	.000256	.000296
3	.001153	.001449
4	.003848	.005298
5	.010149	.015446
6	.022028	.037474
7	.040470	.077945
8	.064235	.142180
9	.089464	.231644
10	.110686	.342329
11	.122854	.465183
12	.123330	.588513
13	.112740	.701253
14	.094387	.795640
15	.072729	.868369
16	.051798	.920168
17	.034225	.954393
18	.021048	.975441
19	.012083	.987524
20	.006491	.994015
21	.003271	.997285
22	.001519	.998834
23	.000691	.999525
24	.000290	.999815
25	.000115	.999931
26	.000043	.999974
27	.000015	.999989
28	.000005	.999995
29	.000002	.999996
30	.000001	.999997
31	.000000	.999997

p=.15

x	Individual Term	Cumulative (x or less)
0	.000001	.000001
1	.000015	.000016
2	.000111	.000127
3	.000544	.000671
4	.001966	.002637
5	.005622	.008259
6	.013227	.021486
7	.026344	.047830
8	.045327	.093157
9	.068434	.161591
10	.091783	.253374
11	.110434	.363808
12	.120178	.483985
13	.119090	.603076
14	.108082	.711157
15	.090280	.801438
16	.069702	.871139
17	.049925	.921064
18	.033283	.954347
19	.020712	.975059
20	.012062	.987120
21	.006588	.993709
22	.003382	.997091
23	.001635	.998726
24	.000745	.999471
25	.000321	.999792
26	.000131	.999923
27	.000050	.999973
28	.000018	.999991
29	.000006	.999998
30	.000002	1.000000
31	.000001	1.000001

## 50-100 BINOMIAL TABLES

n=

85

p=.16

p=.17

p=.18

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
0	.000000	.000000	1	.000002	.000002	1	.000001	.000001
1	.000006	.000006	2	.000020	.000022	2	.000008	.000009
2	.000047	.000054	3	.000112	.000135	3	.000049	.000058
3	.000250	.000304	4	.000472	.000606	4	.000222	.000280
4	.000976	.001280	5	.001565	.002171	5	.000790	.001070
5	.003012	.004292	6	.00273	.006443	6	.002311	.003381
6	.007649	.011941	7	.009876	.016320	7	.005725	.009105
7	.016443	.028384	8	.019723	.036042	8	.012252	.021358
8	.030537	.058921	9	.034561	.070604	9	.023010	.044368
9	.049765	.108686	10	.053799	.124403	10	.038388	.082755
10	.072040	.180726	11	.075130	.199533	11	.057454	.140209
11	.093559	.274235	12	.091893	.294426	12	.077773	.217982
12	.109894	.384179	13	.109140	.403566	13	.095866	.313849
13	.117543	.501722	14	.114964	.518530	14	.108225	.422074
14	.115144	.616866	15	.111455	.629985	15	.112449	.534523
15	.103812	.720678	16	.099873	.729857	16	.107992	.642515
16	.086510	.807188	17	.083027	.812884	17	.096217	.738731
17	.066882	.874070	18	.064243	.877127	18	.079789	.818521
18	.048127	.922196	19	.046400	.923527	19	.061763	.880283
19	.032326	.954522	20	.031362	.954889	20	.044740	.925023
20	.020319	.974841	21	.019882	.974771	21	.030398	.955422
21	.011979	.986820	22	.011847	.986618	22	.019412	.974833
22	.006638	.993458	23	.006646	.993264	23	.011672	.986505
23	.003453	.996922	24	.003517	.996781	24	.006619	.993124
24	.001704	.998626	25	.001757	.998538	25	.003545	.996699
25	.000792	.999419	26	.000831	.999369	26	.001796	.998465
26	.000343	.999766	27	.000372	.999741	27	.000861	.999326
27	.000145	.999911	28	.000158	.999898	28	.000392	.999718
28	.000057	.999968	29	.000064	.999962	29	.000169	.999887
29	.000021	.999989	30	.000024	.999986	30	.000069	.999956
30	.000008	.999997	31	.000009	.999995	31	.000027	.999983
31	.000003	.999999	32	.000003	.999998	32	.000010	.999993
32	.000001	1.000000	33	.000001	.999999	33	.000004	.999997
			34	.000000	.999999	34	.000001	.999998
						35	.000000	.999998

n=

85

## 50-100 BINOMIAL TABLES

p=.19			p=.20			p=.21		
x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
2	.000003	.000004	2	.000001	.000001	2	.000001	.000001
3	.000021	.000025	3	.000009	.000010	3	.000004	.000004
4	.000102	.000127	4	.000046	.000056	4	.000020	.000024
5	.000388	.000515	5	.000185	.000242	5	.000087	.000111
6	.001212	.001727	6	.000618	.000860	6	.000307	.000418
7	.003210	.004937	7	.001744	.002604	7	.000920	.001338
8	.007341	.012277	8	.004251	.006855	8	.002385	.003722
9	.014732	.027009	9	.009093	.015949	9	.005423	.009145
10	.026263	.053272	10	.017277	.033226	10	.010956	.020101
11	.042003	.095275	11	.029450	.062676	11	.019857	.039958
12	.060757	.156032	12	.045402	.108078	12	.032350	.072509
13	.080028	.236060	13	.063738	.171816	13	.048588	.121097
14	.096542	.332602	14	.081948	.253764	14	.066424	.187520
15	.107190	.439792	15	.096972	.350736	15	.083576	.271097
16	.110002	.549793	16	.106063	.450799	16	.097197	.368294
17	.101729	.654522	17	.107623	.564422	17	.104869	.473163
18	.092805	.747328	18	.101644	.666066	18	.105311	.578474
19	.076765	.824093	19	.089607	.755673	19	.098716	.677191
20	.059422	.833514	20	.073926	.829599	20	.086595	.763786
21	.043143	.926657	21	.057205	.886804	21	.071249	.835035
22	.029440	.956097	22	.041603	.928407	22	.055097	.890132
23	.018915	.975012	23	.028489	.956896	23	.040118	.930250
24	.011462	.986474	24	.018399	.975295	24	.027549	.957799
25	.006560	.993034	25	.011224	.986519	25	.017869	.975668
26	.003551	.996586	26	.006475	.992994	26	.010901	.986629
27	.001820	.998406	27	.003537	.996531	27	.006367	.992996
28	.000884	.999290	28	.001832	.998363	28	.003506	.996502
29	.000408	.999698	29	.000900	.999263	29	.001832	.998334
30	.000179	.999876	30	.000420	.999683	30	.000909	.999243
31	.000074	.999951	31	.000186	.999870	31	.000429	.999671
32	.000029	.999980	32	.000079	.999948	32	.000192	.999804
33	.000011	.999991	33	.000032	.999980	33	.000082	.999946
34	.000004	.999995	34	.000012	.999992	34	.000033	.999979
35	.000001	.999997	35	.000004	.999996	35	.000013	.999992
36	.000000	.999997	36	.000002	.999998	36	.000005	.999997
			37	.000001	.999998	37	.000002	.999999
			38	.000000	.999999	38	.000001	.999999
						39	.000000	.999999

## 50-100 BINOMIAL TABLES

n=  
85

p=.22

x	Individual Term	Cumulative (x or less)
2	.000000	.000000
3	.000001	.000002
4	.000009	.000010
5	.000039	.000050
6	.000148	.000198
7	.000472	.000670
8	.001297	.001967
9	.003130	.005097
10	.006710	.011808
11	.012905	.024712
12	.022445	.047158
13	.035549	.082707
14	.051566	.134273
15	.068443	.203117
16	.084951	.288067
17	.097251	.385318
18	.103624	.488942
19	.103064	.592006
20	.095929	.687935
21	.083748	.771682
22	.068716	.840398
23	.053088	.893486
24	.038682	.932168
25	.026621	.958789
26	.017327	.976117
27	.010679	.986796
28	.006239	.993035
29	.003459	.996494
30	.001821	.998315
31	.000911	.999227
32	.000434	.999661
33	.000196	.999857
34	.000085	.999942
35	.000035	.999977
36	.000014	.999990
37	.000005	.999995
38	.000002	.999997
39	.000001	.999998
40	.000000	.999998

p=.23

x	Individual Term	Cumulative (x or less)
3	.000001	.000001
4	.000004	.000004
5	.000018	.000022
6	.000070	.000092
7	.000235	.000327
8	.000685	.001012
9	.001752	.002764
10	.003977	.006741
11	.008099	.014839
12	.014918	.029757
13	.025022	.051779
14	.038438	.093217
15	.054346	.147563
16	.071020	.218583
17	.086103	.304686
18	.097161	.401847
19	.102341	.504188
20	.100879	.605067
21	.093268	.698335
22	.081045	.779380
23	.066310	.845690
24	.051167	.896857
25	.037292	.934150
26	.025706	.959856
27	.016779	.976635
28	.010382	.987017
29	.006095	.993112
30	.003398	.996510
31	.001801	.998311
32	.000908	.999219
33	.000436	.999654
34	.000199	.999853
35	.000087	.999940
36	.000036	.999976
37	.000014	.999990
38	.000005	.999996
39	.000002	.999997
40	.000001	.999998
41	.000000	.999998

p=.24

x	Individual Term	Cumulative (x or less)
3	.000000	.000000
4	.000001	.000002
5	.000008	.000009
6	.000032	.000041
7	.000114	.000156
8	.000352	.000508
9	.000951	.001459
10	.002283	.003743
11	.004916	.008659
12	.009574	.018232
13	.016977	.035209
14	.027571	.062780
15	.041211	.103991
16	.056937	.160928
17	.072978	.233906
18	.087061	.320968
19	.096949	.417917
20	.101031	.518948
21	.098752	.617700
22	.090720	.708420
23	.078472	.786892
24	.064016	.850908
25	.049326	.900234
26	.035946	.936180
27	.024805	.960985
28	.016226	.977211
29	.010071	.987282
30	.005937	.993219
31	.003326	.996545
32	.001772	.998318
33	.000899	.999217
34	.000434	.999651
35	.000200	.999851
36	.000088	.999938
37	.000037	.999975
38	.000015	.999990
39	.000006	.999995
40	.000002	.999997
41	.000001	.999998
42	.000000	.999998

## 50-100 BINOMIAL TABLES

p=.25

p=.26

p=.27

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
4	.000001	.000001	4	.000000	.000000	5	.000001	.000001
5	.000003	.000004	5	.000001	.000002	6	.000003	.000003
6	.000014	.000018	6	.000006	.000008	7	.000011	.000015
7	.000054	.000073	7	.000025	.000033	8	.000041	.000055
8	.000176	.000249	8	.000086	.000119	9	.000129	.000184
9	.000502	.000751	9	.000258	.000376	10	.000362	.000546
10	.001272	.002022	10	.000682	.001064	11	.000912	.001458
11	.002890	.004913	11	.001618	.002712	12	.002080	.003538
12	.005942	.010854	12	.003571	.006283	13	.004320	.007858
13	.011121	.021976	13	.007045	.013327	14	.008218	.016075
14	.019065	.041041	14	.012729	.026057	15	.014386	.030462
15	.030081	.071121	15	.021170	.047227	16	.023279	.053741
16	.043867	.114989	16	.032542	.079768	17	.034947	.088689
17	.059350	.174339	17	.046407	.126175	18	.048830	.137519
18	.074737	.249076	18	.061597	.187772	19	.063687	.201206
19	.087849	.330925	19	.076317	.264089	20	.077733	.278940
20	.096634	.433558	20	.088486	.352575	21	.088990	.367930
21	.099701	.533200	21	.096230	.448905	22	.095750	.463680
22	.096680	.629940	22	.098358	.547164	23	.097005	.560085
23	.088273	.718213	23	.094660	.641823	24	.092686	.653371
24	.076013	.794226	24	.085919	.727742	25	.083646	.737017
25	.061824	.856050	25	.073658	.801399	26	.071394	.808412
26	.075557	.903607	26	.059722	.861122	27	.057702	.866114
27	.034640	.938247	27	.045853	.906975	28	.044208	.910323
28	.023918	.962166	28	.033372	.940347	29	.032138	.942461
29	.015671	.977836	29	.023046	.963393	30	.022189	.964650
30	.009751	.987587	30	.015115	.978508	31	.014560	.979210
31	.005766	.993353	31	.009422	.987930	32	.009088	.988298
32	.003244	.996597	32	.005586	.993316	33	.005398	.993696
33	.001736	.998333	33	.003152	.996669	34	.003054	.996750
34	.000885	.999219	34	.001694	.998363	35	.001646	.998396
35	.000430	.999649	35	.000867	.999230	36	.000845	.999241
36	.000199	.999848	36	.000123	.999653	37	.000414	.999655
37	.000088	.999936	37	.000197	.999850	38	.000193	.999849
38	.000037	.999973	38	.000087	.999937	39	.000086	.999935
39	.000015	.999988	39	.000037	.999974	40	.000037	.999971
40	.000006	.999993	40	.000015	.999989	41	.000015	.999986
41	.000002	.999995	41	.000006	.999995	42	.000006	.999992
42	.000001	.999996	42	.000002	.999997	43	.000002	.999994
43	.000000	.999996	43	.000001	.999998	44	.000001	.999995
			44	.000000	.999998	45	.000000	.999995

50-100 BINOMIAL TABLES

n=

85

p=.28

p=.29

p=.30

x	Individual Term	Cumulative (x or less)
5	.000000	.000000
6	.000001	.000001
7	.000005	.000006
8	.000019	.000025
9	.000063	.000088
10	.000185	.000273
11	.000490	.000763
12	.001176	.001939
13	.002568	.004506
14	.005135	.009641
15	.009452	.019094
16	.016082	.035176
17	.025385	.060561
18	.037294	.097854
19	.051142	.148997
20	.065633	.214629
21	.079002	.293632
22	.089376	.383008
23	.095205	.478213
24	.095646	.573859
25	.090757	.664617
26	.081449	.746066
27	.069215	.815280
28	.055756	.871037
29	.042618	.913655
30	.030938	.944593
31	.021346	.965939
32	.014008	.979947
33	.004749	.988697
34	.005204	.993900
35	.002949	.996849
36	.001593	.998442
37	.000820	.999262
38	.000403	.999665
39	.000189	.999854
40	.000084	.999938
41	.000036	.999974
42	.000015	.999989
43	.000006	.999995
44	.000002	.999997
45	.000001	.999998
46	.000000	.999998

x	Individual Term	Cumulative (x or less)
6	.000000	.000001
7	.000002	.000003
8	.000008	.000011
9	.000030	.000041
10	.000092	.000133
11	.000256	.000389
12	.000445	.001034
13	.001480	.002514
14	.003109	.005624
15	.006011	.011635
16	.010742	.022376
17	.017808	.040184
18	.027478	.067662
19	.039577	.107240
20	.053346	.160586
21	.067443	.228028
22	.080137	.308165
23	.089657	.397822
24	.094603	.492424
25	.094283	.580707
26	.088669	.675576
27	.079319	.754896
28	.067110	.822006
29	.053877	.875883
30	.041078	.916961
31	.029768	.946729
32	.020518	.967247
33	.013480	.980707
34	.008408	.989115
35	.005004	.994119
36	.002839	.996958
37	.001536	.998494
38	.000792	.999286
39	.000390	.999676
40	.000183	.999859
41	.000082	.999941
42	.000035	.999976
43	.000014	.999991
44	.000006	.999996
45	.000002	.999999
46	.000001	.999999
47	.000000	1.000000

x	Individual Term	Cumulative (x or less)
6	.000000	.000000
7	.000001	.000001
8	.000004	.000005
9	.000014	.000019
10	.000045	.000063
11	.000130	.000193
12	.000344	.000537
13	.000828	.001366
14	.001826	.003191
15	.003703	.006894
16	.006944	.013838
17	.012078	.025916
18	.019555	.045471
19	.029553	.075025
20	.041797	.116822
21	.055445	.172267
22	.089126	.241393
23	.081148	.322541
24	.089843	.412383
25	.093950	.506333
26	.092917	.599250
27	.087018	.686268
28	.077250	.763518
29	.065073	.828591
30	.052058	.880650
31	.039584	.920233
32	.028027	.948861
33	.019705	.968565
34	.012916	.981481
35	.008066	.989547
36	.004801	.994348
37	.002725	.997073
38	.001475	.998548
39	.000762	.999310
40	.000375	.999685
41	.000177	.999862
42	.000079	.999941
43	.000034	.999975
44	.000014	.999989
45	.000005	.999994
46	.000002	.999996
47	.000001	.999997
48	.000000	.999997

50-100 BINOMIAL TABLES

p=.31			p=.32			p=.33		
x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
8	.000002	.000002	8	.000001	.000001	9	.000001	.000001
9	.000006	.000008	9	.000003	.000004	10	.000004	.000006
10	.000021	.000029	10	.000010	.000013	11	.000015	.000020
11	.000064	.000094	11	.000031	.000044	12	.000044	.000064
12	.000178	.000272	12	.000090	.000134	13	.000122	.000187
13	.000450	.000722	13	.000238	.000372	14	.000309	.000496
14	.001040	.001762	14	.000575	.000947	15	.000721	.001217
15	.002212	.003974	15	.001282	.002229	16	.001553	.002770
16	.004348	.008322	16	.002639	.004868	17	.003105	.005875
17	.007928	.016250	17	.005040	.009908	18	.005778	.011653
18	.013456	.029706	18	.008960	.018868	19	.010035	.021689
19	.021318	.051024	19	.014869	.033736	20	.061311	.038000
20	.031606	.082630	20	.023090	.056827	21	.024867	.062867
21	.043952	.126582	21	.033633	.090459	22	.035630	.098497
22	.057445	.184026	22	.046043	.136502	23	.048070	.146566
23	.070693	.254719	23	.059349	.195851	24	.061163	.207730
24	.082048	.336767	24	.072150	.268001	25	.073505	.281235
25	.089943	.426710	25	.082845	.350846	26	.083548	.364783
26	.093252	.519962	26	.089967	.440813	27	.089921	.454704
27	.091550	.611513	27	.092515	.533328	28	.091743	.546446
28	.085201	.696714	28	.090183	.623511	29	.088815	.635262
29	.075237	.771951	29	.083415	.706926	30	.081657	.716919
30	.063097	.835048	30	.073274	.780200	31	.071356	.788275
31	.050295	.895343	31	.061178	.841378	32	.059308	.847584
32	.038131	.923475	32	.048582	.889960	33	.046916	.894499
33	.027514	.950989	33	.036718	.926678	34	.035341	.929840
34	.018906	.969895	34	.026427	.953105	35	.025364	.955205
35	.012377	.982271	35	.018121	.971226	36	.017351	.972556
36	.007723	.989994	36	.011844	.983070	37	.011318	.983874
37	.004595	.994589	37	.007381	.990451	38	.007041	.990915
38	.002608	.997197	38	.004388	.994839	39	.004180	.995095
39	.001412	.998609	39	.002488	.997327	40	.002367	.997462
40	.000729	.999339	40	.001347	.998674	41	.001280	.998742
41	.000360	.999698	41	.000696	.999369	42	.000660	.999402
42	.000169	.999868	42	.000343	.999712	43	.000325	.999728
43	.000076	.999944	43	.000161	.999874	44	.000153	.999880
44	.000033	.999976	44	.000072	.999946	45	.000069	.999949
45	.000013	.999990	45	.000031	.999977	46	.000029	.999978
46	.000005	.999995	46	.000013	.999990	47	.000012	.999990
47	.000002	.999997	47	.000005	.999995	48	.000005	.999995
48	.000001	.999997	48	.000002	.999997	49	.000002	.999997
49	.000000	.999998	49	.000001	.999998	50	.000001	.999997
			50	.000000	.999998	51	.000000	.999998

## 50-100 BINOMIAL TABLES

n-  
85

p=.34

p=.35

p=.36

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
9	.000000	.000001	10	.000001	.000001	10	.000000	.000000
10	.000002	.000003	11	.000003	.000004	11	.000001	.000002
11	.000007	.000009	12	.000010	.000014	12	.000004	.000006
12	.000021	.000030	13	.000030	.000043	13	.000014	.000020
13	.000061	.000091	14	.000082	.000125	14	.000040	.000061
14	.000161	.000253	15	.000209	.000334	15	.000108	.000168
15	.000394	.000646	16	.000492	.000826	16	.000265	.000433
16	.000887	.001534	17	.001075	.001902	17	.000605	.001038
17	.001855	.003389	18	.002187	.004089	18	.001285	.002323
18	.003611	.006999	19	.004153	.008242	19	.002550	.004873
19	.006559	.013558	20	.007380	.015623	20	.004733	.009605
20	.011150	.024709	21	.012301	.027923	21	.008240	.017845
21	.017779	.042488	22	.019268	.047191	22	.013483	.031328
22	.026644	.069132	23	.028419	.075610	23	.020774	.052103
23	.037597	.106729	24	.039531	.115141	24	.030188	.082291
24	.050034	.156763	25	.051938	.167079	25	.041433	.123723
25	.062891	.219654	26	.064538	.231616	26	.053783	.177506
26	.074766	.294420	27	.075938	.307554	27	.066108	.243614
27	.084164	.378584	28	.084700	.392254	28	.077028	.320642
28	.089812	.468396	29	.089642	.481896	29	.085162	.405804
29	.090938	.559334	30	.090102	.571998	30	.089420	.495225
30	.087447	.646781	31	.086078	.658076	31	.089240	.584465
31	.079925	.726705	32	.078215	.736291	32	.084708	.669173
32	.069480	.796180	33	.067040	.803931	33	.076526	.745699
33	.057485	.853671	34	.055704	.859635	34	.065835	.811534
34	.045292	.898962	35	.043706	.903341	35	.053961	.865496
35	.033998	.932900	36	.032686	.936028	36	.042157	.907653
36	.024325	.957286	37	.033038	.959336	37	.031404	.939057
37	.016595	.973881	38	.015854	.975189	38	.022314	.961371
38	.010799	.984680	39	.010288	.985477	39	.015126	.976497
39	.006704	.991384	40	.006370	.991847	40	.009785	.986281
40	.003972	.995356	41	.003765	.995612	41	.006041	.992322
41	.002246	.997601	42	.002124	.997736	42	.003560	.995882
42	.001212	.998813	43	.001144	.998880	43	.002002	.997884
43	.000624	.999438	44	.000588	.999468	44	.001075	.998960
44	.000307	.999745	45	.000288	.999756	45	.000551	.999511
45	.000144	.999889	46	.000135	.999891	46	.000270	.999780
46	.000065	.999953	47	.000060	.999951	47	.000126	.999906
47	.000028	.999981	48	.000026	.999977	48	.000056	.999962
48	.000011	.999992	49	.000010	.999987	49	.000024	.999986
49	.000004	.999997	50	.000004	.999992	50	.000010	.999995
50	.000002	.999998	51	.000001	.999993	51	.000004	.999999
51	.000001	.999999	52	.000001	.999994	52	.000001	1.000001
52	.000000	.999999	53	.000000	.999994	53	.000000	1.000001

50-100 BINOMIAL TABLES

p=.37

x	Individual Term	Cumulative (x or less)
11	.000001	.000001
12	.000002	.000003
13	.000006	.000009
14	.000019	.000028
15	.000054	.000082
16	.000139	.000221
17	.000330	.000551
18	.000733	.001284
19	.001518	.002802
20	.002941	.005743
21	.005347	.011089
22	.009135	.020224
23	.014695	.034919
24	.022295	.057214
25	.031949	.089163
26	.043301	.132463
27	.055571	.188034
28	.067605	.255639
29	.078039	.333678
30	.085554	.419232
31	.089146	.508379
32	.088351	.596729
33	.083336	.680065
34	.074855	.754920
35	.064059	.818979
36	.052253	.871232
37	.040641	.911873
38	.030150	.912023
39	.021339	.963362
40	.014412	.977774
41	.009290	.987064
42	.005716	.992780
43	.003357	.996137
44	.001882	.998019
45	.001007	.999026
46	.000514	.999541
47	.000251	.999791
48	.000117	.999908
49	.000052	.999960
50	.000022	.999981
51	.000009	.999990
52	.000003	.999994
53	.000001	.999995
54	.000000	.999995

p=.38

x	Individual Term	Cumulative (x or less)
11	.000000	.000000
12	.000001	.000001
13	.000003	.000004
14	.000009	.000013
15	.000026	.000039
16	.000070	.000110
17	.000175	.000285
18	.000405	.000690
19	.000876	.001566
20	.001772	.003338
21	.003362	.006700
22	.005994	.012694
23	.010063	.022757
24	.015933	.038690
25	.023827	.062517
26	.037301	.096218
27	.045136	.141354
28	.057304	.198658
29	.069032	.267690
30	.078979	.346669
31	.085883	.432552
32	.088826	.521378
33	.087437	.608815
34	.081962	.690777
35	.073199	.763976
36	.062311	.826287
37	.050577	.876863
38	.039156	.916019
39	.028922	.944941
40	.020385	.965326
41	.013713	.979039
42	.008805	.987844
43	.005397	.993241
44	.003157	.996398
45	.001763	.998161
46	.000940	.999101
47	.000478	.999579
48	.000232	.999811
49	.000107	.999918
50	.000047	.999966
51	.000020	.999986
52	.000008	.999994
53	.000003	.999997
54	.000001	.999998
55	.000000	.999998

p=.39

x	Individual Term	Cumulative (x or less)
13	.000001	.000002
14	.000004	.000006
15	.000012	.000018
16	.000035	.000053
17	.000090	.000143
18	.000218	.000361
19	.000491	.000851
20	.001035	.001887
21	.002049	.003936
22	.003811	.007746
23	.006673	.014420
24	.011022	.025442
25	.017194	.042636
26	.025369	.068005
27	.035442	.103447
28	.046938	.150385
29	.058985	.209370
30	.070395	.279765
31	.079850	.359615
32	.086150	.445765
33	.088461	.534225
34	.086499	.620724
35	.080584	.701308
36	.071557	.772865
37	.060587	.833451
38	.048930	.882381
39	.037700	.920081
40	.027719	.947799
41	.019451	.967250
42	.013028	.980278
43	.008329	.988607
44	.005083	.993690
45	.002961	.996651
46	.001646	.998298
47	.000873	.999171
48	.000442	.999613
49	.000213	.999826
50	.000098	.999925
51	.000043	.999968
52	.000018	.999986
53	.000007	.999993
54	.000003	.999996
55	.000001	.999997
56	.000000	.999997

50-100 BINOMIAL TABLES

11-

85

**p=.40**

x	Individual Term	Cumulative (x or less)
13	.000001	.000001
14	.000002	.000003
15	.000006	.000008
16	.000017	.000025
17	.000045	.000070
18	.000113	.000183
19	.000267	.000450
20	.000587	.001037
21	.001211	.002247
22	.002348	.004595
23	.004287	.008882
24	.007383	.016266
25	.012010	.028276
26	.018477	.046753
27	.026918	.073671
28	.037172	.110843
29	.048708	.159552
30	.060615	.220167
31	.071695	.291862
32	.080657	.372519
33	.086360	.458879
34	.088053	.546932
35	.085538	.632470
36	.079201	.711671
37	.069926	.781597
38	.058885	.840481
39	.047309	.887790
40	.036270	.924061
41	.026539	.950600
42	.018535	.969135
43	.012357	.981492
44	.007863	.989356
45	.004776	.994132
46	.002769	.996901
47	.001532	.998433
48	.000808	.999241
49	.000407	.999648
50	.000195	.999843
51	.000089	.999933
52	.000039	.999972
53	.000016	.999988
54	.000006	.999994
55	.000002	.999997
56	.000001	.999998
57	.000000	.999998

**p=.41**

x	Individual Term	Cumulative (x or less)
14	.000001	.000001
15	.000003	.000004
16	.000008	.000011
17	.000022	.000033
18	.000057	.000091
19	.000141	.000231
20	.000322	.000554
21	.000693	.001247
22	.001402	.002649
23	.002668	.005317
24	.004790	.010108
25	.008123	.018231
26	.013026	.031256
27	.019780	.051037
28	.028473	.079509
29	.038890	.118399
30	.050447	.168846
31	.062197	.231043
32	.072936	.303980
33	.081403	.385383
34	.085010	.471898
35	.087605	.559503
36	.084553	.644056
37	.077813	.721869
38	.068304	.790173
39	.057202	.847375
40	.045713	.893088
41	.034866	.927953
42	.025382	.953336
43	.017639	.970975
44	.011700	.982675
45	.007408	.990083
46	.004476	.994559
47	.002581	.997140
48	.001420	.998560
49	.000745	.999306
50	.000373	.999679
51	.000178	.999857
52	.000081	.999937
53	.000035	.999972
54	.000014	.999987
55	.000006	.999992
56	.000002	.999994
57	.000001	.999995
58	.000000	.999995
59	.000000	.999996

**p=.42**

x	Individual Term	Cumulative (x or less)
14	.000000	.000000
15	.000001	.000002
16	.000004	.000005
17	.000010	.000015
18	.000028	.000044
19	.000072	.000115
20	.000172	.000287
21	.000385	.000672
22	.000811	.001484
23	.001609	.003093
24	.003011	.006104
25	.005320	.011424
26	.008890	.020314
27	.014067	.034381
28	.021101	.055481
29	.030032	.085514
30	.040596	.126109
31	.052156	.178265
32	.063733	.241998
33	.074122	.316120
34	.082091	.398211
35	.086620	.484831
36	.087118	.571949
37	.083545	.655495
38	.076419	.731914
39	.066689	.798603
40	.055536	.854139
41	.044139	.898278
42	.033485	.931763
43	.024248	.956011
44	.016761	.972771
45	.011058	.983830
46	.006963	.990793
47	.004184	.994977
48	.002399	.997375
49	.001312	.998687
50	.000684	.999371
51	.000340	.999711
52	.000161	.999872
53	.000073	.999945
54	.000031	.999976
55	.000013	.999988
56	.000005	.999993
57	.000002	.999995
58	.000001	.999996
59	.000000	.999996

## 50-100 BINOMIAL TABLES

p=.43

p=.44

p=.45

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
15	.000000	.000001	15	.000000	.000000	17	.000001	.000001
16	.000002	.000002	16	.000001	.000001	18	.000003	.000004
17	.000005	.000007	17	.000002	.000003	19	.000008	.000012
18	.000013	.000020	18	.000006	.000009	20	.000022	.000034
19	.000036	.000056	19	.000017	.000026	21	.000055	.000088
20	.000089	.000145	20	.000045	.000071	22	.000130	.000219
21	.000207	.000352	21	.000108	.000179	23	.000292	.000511
22	.000455	.000807	22	.000248	.000427	24	.000618	.001129
23	.000941	.001748	23	.000533	.000959	25	.001233	.002362
24	.001833	.003581	24	.001081	.002041	26	.002329	.004691
25	.003374	.006956	25	.002073	.004114	27	.004163	.008854
26	.005874	.012830	26	.003759	.007872	28	.007056	.015910
27	.009684	.022513	27	.006453	.014325	29	.011347	.027256
28	.015132	.037616	28	.010503	.024828	30	.017329	.044586
29	.022437	.060083	29	.016220	.041048	31	.025156	.069741
30	.031596	.091679	30	.023789	.064838	32	.034732	.104473
31	.042289	.133968	31	.033163	.098000	33	.045639	.150113
32	.053835	.187803	32	.043970	.141970	34	.057110	.207223
33	.065226	.253028	33	.055436	.197456	35	.068087	.275311
34	.075255	.328284	34	.066676	.264133	36	.077372	.352683
35	.082724	.411008	35	.076338	.340470	37	.083836	.436518
36	.086675	.497683	36	.083305	.423775	38	.086644	.523162
37	.086593	.534276	37	.086682	.510458	39	.085432	.608594
38	.082515	.666791	38	.086030	.590488	40	.080383	.688977
39	.075017	.741808	39	.081461	.677949	41	.072185	.761162
40	.065081	.806888	40	.073606	.751555	42	.061873	.823034
41	.053886	.860774	41	.063475	.815031	43	.050623	.873657
42	.042586	.903360	42	.052249	.867279	44	.039536	.913194
43	.032127	.935487	43	.041052	.908331	45	.029472	.942666
44	.023134	.958621	44	.030789	.939121	46	.020969	.963635
45	.015901	.974522	45	.022041	.961162	47	.014236	.977870
46	.010431	.984952	46	.015059	.976221	48	.009221	.987091
47	.006529	.991482	47	.009818	.986039	49	.005697	.992788
48	.003900	.995381	48	.006107	.992147	50	.003356	.996144
49	.002221	.997603	49	.003623	.995770	51	.001884	.998029
50	.001207	.998809	50	.002050	.997820	52	.001008	.999037
51	.000625	.999434	51	.001105	.998925	53	.000514	.999550
52	.000308	.999742	52	.000568	.999493	54	.000249	.999799
53	.000145	.999886	53	.000278	.999771	55	.000115	.999914
54	.000065	.999951	54	.000129	.999900	56	.000050	.999964
55	.000028	.999979	55	.000057	.999957	57	.000021	.999985
56	.000011	.999990	56	.000024	.999981	58	.000008	.999994
57	.000004	.999994	57	.000010	.999991	59	.000003	.999997
58	.000002	.999996	58	.000004	.999995	60	.000001	.999998
59	.000001	.999996	59	.000001	.999996	61	.000000	.999998
60	.000000	.999996	60	.000000	.999996			

## 50-100 BINOMIAL TABLES

n-

85

p=.46

p=.47

p=.48

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
17	.000000	.000001	18	.000001	.000001	18	.000000	.000000
18	.000001	.000002	19	.000002	.000002	19	.000001	.000001
19	.000004	.000005	20	.000005	.000007	20	.000002	.000003
20	.000010	.000016	21	.000013	.000020	21	.000006	.000009
21	.000027	.000042	22	.000033	.000053	22	.000016	.000025
22	.000067	.000109	23	.000080	.000133	23	.000040	.000064
23	.000155	.000264	24	.000183	.000316	24	.000095	.000159
24	.000342	.000606	25	.000390	.000712	25	.000214	.000373
25	.000710	.001317	26	.000811	.001523	26	.000456	.000829
26	.001397	.002713	27	.001571	.003094	27	.000919	.001748
27	.002600	.005313	28	.002887	.005981	28	.001757	.003505
28	.004588	.009901	29	.005031	.011012	29	.003188	.006694
29	.007681	.017582	30	.008329	.019341	30	.005494	.012188
30	.012214	.029796	31	.013104	.032444	31	.008997	.021185
31	.018459	.048255	32	.019609	.052053	32	.014015	.035201
32	.026535	.074790	33	.027928	.079982	33	.020778	.055979
33	.036304	.111094	34	.037878	.117860	34	.029334	.085312
34	.047298	.158392	35	.048495	.166805	35	.039455	.124768
35	.058709	.217101	36	.060284	.227099	36	.050584	.175351
36	.069460	.286561	37	.070798	.297887	37	.061836	.237187
37	.078360	.364921	38	.079304	.377191	38	.072101	.309288
38	.084317	.449239	39	.084753	.461944	39	.080206	.389494
39	.086559	.535798	40	.086432	.548375	40	.085142	.474637
40	.084796	.620594	41	.081125	.632500	41	.086260	.560897
41	.079281	.699875	42	.078153	.710653	42	.083417	.643134
42	.070752	.770627	43	.069306	.779959	43	.077000	.721314
43	.060270	.830897	44	.058666	.838626	44	.067846	.789160
44	.049007	.879904	45	.047400	.886026	45	.057060	.846220
45	.038036	.917940	46	.036552	.922578	46	.045801	.892021
46	.028175	.946115	47	.026896	.949474	47	.035082	.927103
47	.019916	.966031	48	.018882	.968357	48	.025637	.952739
48	.013431	.979461	49	.012644	.981001	49	.017869	.970608
49	.008639	.988100	50	.008073	.989074	50	.011876	.982484
50	.005299	.993399	51	.001913	.993987	51	.007523	.990008
51	.003098	.996197	52	.002849	.996836	52	.004541	.994548
52	.001725	.998222	53	.001573	.998409	53	.002610	.997158
53	.000915	.999137	54	.000827	.999235	54	.001428	.998586
54	.000462	.999599	55	.000413	.999649	55	.000743	.999328
55	.000222	.999821	56	.000196	.999815	56	.000367	.999696
56	.000101	.999922	57	.000089	.999934	57	.000172	.999868
57	.000044	.999966	58	.000038	.999971	58	.000077	.999945
58	.000018	.999984	59	.000015	.999987	59	.000032	.999977
59	.000007	.999991	60	.000006	.999993	60	.000013	.999990
60	.000003	.999993	61	.000002	.999995	61	.000005	.999995
61	.000001	.999994	62	.000001	.999996	62	.000002	.999997
62	.000000	.999995	63	.000000	.999996	63	.000001	.999998
						64	.000000	.999998

## 50-100 BINOMIAL TABLES

p=.49

x	Individual Term	Cumulative (x or less)
20	.000001	.000001
21	.000003	.000004
22	.000007	.000011
23	.000019	.000030
24	.000048	.000078
25	.000112	.000190
26	.000248	.000437
27	.000520	.000957
28	.001035	.001992
29	.001954	.003947
30	.003505	.007452
31	.005975	.013427
32	.009687	.023114
33	.014948	.038062
34	.021963	.060028
35	.030752	.090779
36	.041036	.131815
37	.052213	.184028
38	.063367	.247395
39	.073371	.320760
40	.081067	.401833
41	.085487	.487320
42	.086046	.573300
43	.082672	.656038
44	.075819	.731857
45	.066371	.798227
46	.055450	.853678
47	.044208	.897885
48	.033625	.931510
49	.024395	.955905
50	.016875	.972780
51	.011127	.983907
52	.006990	.990897
53	.004182	.995079
54	.002381	.997460
55	.001289	.998749
56	.000664	.999413
57	.000324	.999737
58	.000150	.999888
59	.000066	.999954
60	.000028	.999981
61	.000011	.999992
62	.000004	.999996
63	.000001	.999997
64	.000000	.999998

p=.50

x	Individual Term	Cumulative (x or less)
20	.000000	.000001
21	.000001	.000002
22	.000003	.000005
23	.000009	.000014
24	.000023	.000037
25	.000056	.000093
26	.000130	.000224
27	.000285	.000508
28	.000589	.001097
29	.001158	.002256
30	.002162	.004418
31	.003836	.008254
32	.006474	.014728
33	.010397	.025125
34	.015902	.041027
35	.023171	.064198
36	.032182	.096380
37	.042619	.139000
38	.053835	.192835
39	.064878	.257713
40	.074610	.332322
41	.081889	.444211
42	.085788	.499999
43	.085788	.585788
44	.081889	.667676
45	.074610	.742286
46	.064878	.807164
47	.053835	.860999
48	.042619	.903619
49	.032182	.935801
50	.023171	.958972
51	.015902	.974873
52	.010397	.985271
53	.006474	.991744
54	.003836	.995581
55	.002162	.997743
56	.001158	.998901
57	.000589	.999491
58	.000285	.999775
59	.000130	.999905
60	.000056	.999962
61	.000023	.999985
62	.000009	.999994
63	.000003	.999997
64	.000001	.999998
65	.000000	.999999

50-100 BINOMIAL TABLES

n-  
90

p=.01

x	Individual Term	Cumulative (x or less)
0	.404732	.404732
1	.367938	.772670
2	.165386	.938057
3	.049003	.987060
4	.010766	.997826
5	.001870	.999696
6	.000268	.999964
7	.000032	.999996
8	.000003	1.000000
9	.000000	1.000000

p=.02

x	Individual Term	Cumulative (x or less)
0	.162311	.162311
1	.298122	.460432
2	.270743	.731175
3	.162077	.893253
4	.071943	.965195
5	.025253	.990448
6	.007301	.997749
7	.001788	.999537
8	.000379	.999916
9	.000070	.999986
10	.000012	.999998
11	.000002	1.000000
12	.000000	1.000000

p=.03

x	Individual Term	Cumulative (x or less)
0	.064485	.064485
1	.179493	.243978
2	.247035	.491012
3	.224114	.715126
4	.150757	.865883
5	.080196	.946079
6	.035138	.981217
7	.013041	.994258
8	.004184	.998442
9	.001179	.999621
10	.000295	.999917
11	.000066	.999983
12	.000014	.999997
13	.000003	.999999
14	.000000	1.000000

p=.04

x	Individual Term	Cumulative (x or less)
0	.025375	.025375
1	.095157	.120533
2	.176438	.296970
3	.215646	.512616
4	.195429	.708045
5	.140058	.848103
6	.082673	.930776
7	.041336	.972112
8	.017869	.989981
9	.006784	.996765
10	.002290	.999055
11	.000694	.999748
12	.000190	.999939
13	.000048	.999986
14	.000011	.999997

p=.05

x	Individual Term	Cumulative (x or less)
0	.009888	.009888
1	.046840	.056728
2	.109703	.166431
3	.169367	.335798
4	.193880	.529678
5	.175512	.705190
6	.130865	.836055
7	.082651	.918706
8	.045132	.963838
9	.021642	.985480
10	.009226	.994707
11	.003532	.998238
12	.001224	.999462
13	.000386	.999818
14	.000112	.999960

p=.06

x	Individual Term	Cumulative (x or less)
0	.003815	.003815
1	.021917	.025732
2	.062252	.087984
3	.116558	.204542
4	.161817	.366358
5	.177654	.544012
6	.160645	.704657
7	.123047	.827704
8	.081486	.909189
9	.047389	.956578
10	.024501	.981079
11	.011374	.994453
12	.004779	.997233
13	.001830	.999063
14	.000643	.999706
15	.000208	.999913
16	.000062	.999976
17	.000017	.999993
18	.000004	.999997
19	.000001	.999998
20	.000000	.999999

## 50-100 BINOMIAL TABLES

p=.07			p=.08			p=.09		
x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
0	.001457	.001457	0	.000551	.000551	0	.000206	.000206
1	.009870	.011327	1	.004310	.004860	1	.001833	.002039
2	.033060	.044387	2	.016677	.021537	2	.008067	.010106
3	.072992	.117379	3	.042538	.064075	3	.023404	.033510
4	.119495	.236874	4	.080452	.144527	4	.050345	.083855
5	.154701	.391574	5	.120328	.264855	5	.085641	.169496
6	.164959	.556533	6	.148230	.413085	6	.119992	.289488
7	.148995	.705528	7	.154675	.567760	7	.142408	.431896
8	.116352	.821880	8	.139544	.707304	8	.146124	.578020
9	.079792	.901673	9	.110556	.817860	9	.131672	.709692
10	.048648	.950320	10	.077870	.895730	10	.105483	.815175
11	.026630	.976951	11	.049246	.944976	11	.0755872	.891047
12	.013196	.990146	12	.028192	.973168	12	.049400	.940446
13	.005959	.996106	13	.014709	.987876	13	.029314	.969761
14	.002467	.998573	14	.007035	.994911	14	.015946	.985706
15	.000941	.999514	15	.003099	.998010	15	.007990	.993697
16	.000332	.999846	16	.001263	.999274	16	.003704	.997401
17	.000109	.999954	17	.000478	.999752	17	.001595	.998996
18	.000033	.999988	18	.000169	.999920	18	.000640	.999635
19	.000009	.999997	19	.000056	.999976	19	.000240	.999875
20	.000003	1.000000	20	.000017	.999993	20	.000084	.999959
21	.000001	1.000001	21	.000005	.999998	21	.000028	.999987
22	.000000	1.000001	22	.000001	1.000000	22	.000009	.999996
			23	.000000	1.000000	23	.000003	.999998
						24	.000001	.999999
						25	.000000	.999999

## 50-100 BINOMIAL TABLES

n-  
90

p=.10

p=.11

p=.12

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
0	.000076	.000076	0	.000028	.000028	0	.000010	.000010
1	.000762	.000838	1	.000310	.000338	1	.000124	.000134
2	.003767	.004604	2	.001705	.002043	2	.000751	.000884
3	.012276	.016881	3	.006181	.008224	3	.003003	.003887
4	.029667	.046548	4	.016616	.024840	4	.008905	.012793
5	.056698	.103246	5	.035324	.060164	5	.020887	.033680
6	.089246	.192492	6	.061849	.122013	6	.040351	.074031
7	.118995	.311487	7	.091732	.213745	7	.066028	.140059
8	.137175	.448661	8	.117628	.331373	8	.093415	.233474
9	.138868	.587530	9	.132460	.463833	9	.116061	.349536
10	.124941	.712511	10	.132609	.596441	10	.128195	.477731
11	.100995	.813506	11	.119199	.715640	11	.127135	.604866
12	.073876	.887382	12	.096988	.812629	12	.114133	.718999
13	.049251	.936633	13	.071924	.884553	13	.093381	.812380
14	.030098	.966730	14	.048892	.933445	14	.070036	.882417
15	.016944	.983674	15	.030617	.964062	15	.048389	.920805
16	.008825	.992499	16	.017738	.981800	16	.030930	.961735
17	.004268	.996768	17	.009543	.991343	17	.018360	.980095
18	.001923	.998691	18	.004784	.996127	18	.010153	.990248
19	.000810	.999501	19	.002240	.998367	19	.005247	.995495
20	.000319	.999820	20	.000983	.999350	20	.002540	.998035
21	.000118	.999938	21	.000405	.999755	21	.001155	.999189
22	.000041	.999980	22	.000157	.999912	22	.000494	.999683
23	.000014	.999993	23	.000057	.999970	23	.000199	.999882
24	.000004	.999997	24	.000020	.999989	24	.000076	.999958
25	.000001	.999999	25	.000006	.999996	25	.000027	.999985
26	.000000	.999999	26	.000002	.999998	26	.000009	.999995
			27	.000001	.999998	27	.000003	.999998
			28	.000000	.999999	28	.000001	.999999
						29	.000000	.999999

n=

90

## 50-100 BINOMIAL TABLES

p=.13

p=.14

p=.15

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
0	.000004	.000004	0	.000001	.000001	1	.000007	.000008
1	.000048	.000052	1	.000019	.000020	2	.000055	.000063
2	.000322	.000374	2	.000135	.000155	3	.000287	.000350
3	.001412	.001787	3	.000645	.000800	4	.001101	.001451
4	.004590	.006377	4	.002285	.003085	5	.003342	.004793
5	.011798	.018175	5	.006397	.009482	6	.008355	.013148
6	.024974	.043150	6	.014752	.024234	7	.017693	.030841
7	.044782	.087931	7	.028818	.053052	8	.032394	.063236
8	.069425	.157356	8	.048673	.101725	9	.052085	.115321
9	.094517	.251873	9	.072192	.173916	10	.074451	.189772
10	.114398	.366271	10	.095192	.269108	11	.095552	.285325
11	.124320	.490591	11	.112701	.381809	12	.111009	.396334
12	.122295	.612886	12	.120782	.502592	13	.117539	.513873
13	.109644	.722530	13	.117973	.620565	14	.114082	.627956
14	.090110	.812639	14	.105627	.726192	15	.102003	.729959
15	.068221	.880860	15	.087122	.813314	16	.084377	.814336
16	.047784	.928645	16	.066481	.879795	17	.064816	.879152
17	.031081	.959725	17	.047110	.926905	18	.046388	.925540
18	.018835	.978560	18	.031102	.958007	19	.031021	.956561
19	.010665	.989225	19	.019187	.977194	20	.019434	.975995
20	.005657	.994883	20	.011088	.988282	21	.011432	.987426
21	.002818	.997701	21	.006017	.994299	22	.006327	.993753
22	.001321	.999021	22	.003072	.997371	23	.003301	.997054
23	.000583	.999605	23	.001479	.998350	24	.001626	.998681
24	.000243	.999848	24	.000672	.999521	25	.000758	.999438
25	.000096	.999944	25	.000289	.999810	26	.000334	.999773
26	.000036	.999980	26	.000118	.999928	27	.000140	.999912
27	.000013	.999993	27	.000045	.999973	28	.000056	.999968
28	.000004	.999997	28	.000017	.999990	29	.000021	.999989
29	.000001	.999998	29	.000006	.999995	30	.000008	.999996
30	.000000	.999999	30	.000002	.999997	31	.000003	.999999
			31	.000001	.999998	32	.000001	1.000000
			32	.000000	.999998	33	.000000	1.000001

## 50-100 BINOMIAL TABLES

n-  
90

p=.16

p=.17

p=.18

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
1	.000003	.000003	1	.000001	.000001	1	.000000	.000000
2	.000022	.000025	2	.000009	.000010	2	.000003	.000004
3	.000144	.000149	3	.000053	.000062	3	.000022	.000025
4	.000515	.000665	4	.000234	.000297	4	.000104	.000129
5	.001688	.002352	5	.000826	.001122	5	.000392	.000522
6	.004554	.006906	6	.002396	.003518	6	.001220	.001741
7	.010409	.017316	7	.005889	.009407	7	.003213	.004954
8	.020571	.037886	8	.012514	.021921	8	.007317	.012270
9	.035699	.073586	9	.023352	.045273	9	.014633	.026903
10	.055079	.128665	10	.038742	.084015	10	.026018	.052922
11	.076300	.204965	11	.057710	.141725	11	.041537	.094458
12	.095678	.300643	12	.077816	.219540	12	.060026	.154484
13	.109346	.409989	13	.095629	.315169	13	.079058	.233243
14	.114553	.524542	14	.107726	.422895	14	.095449	.328991
15	.110553	.635094	15	.111793	.534688	15	.106157	.435149
16	.098708	.733802	16	.107331	.642020	16	.109232	.544381
17	.081842	.815043	17	.095693	.737713	17	.104374	.548754
18	.063222	.878865	18	.079488	.817201	18	.092918	.741672
19	.045634	.924499	19	.061695	.878896	19	.077293	.818965
20	.030857	.955356	20	.044859	.923755	20	.060232	.879197
21	.019592	.974947	21	.030627	.954382	21	.044072	.923268
22	.011704	.986652	22	.019674	.974056	22	.030342	.953611
23	.006591	.993243	23	.011914	.985970	23	.019692	.973303
24	.003505	.996748	24	.006812	.992782	24	.012067	.985370
25	.001762	.998510	25	.003683	.996465	25	.006993	.992363
26	.000839	.999349	26	.001886	.998351	26	.003838	.996201
27	.000379	.999728	27	.000916	.999267	27	.001997	.998197
28	.000162	.999891	28	.000422	.999689	28	.000986	.999184
29	.000066	.999957	29	.000185	.999874	29	.000463	.999646
30	.000026	.999982	30	.000077	.999951	30	.000207	.999853
31	.000009	.999992	31	.000031	.999981	31	.000088	.999941
32	.000003	.999995	32	.000012	.999993	32	.000036	.999976
33	.000001	.999996	33	.000004	.999997	33	.000014	.999990
34	.000000	.999997	34	.000001	.999998	34	.000005	.999995
			35	.000000	.999999	35	.000002	.999997
						36	.000001	.999997
						37	.000000	.999998

n=

90

## 50-100 BINOMIAL TABLES

p=.19

p=.20

p=.21

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
2	.000001	.000001	2	.000000	.000001	3	.000001	.000002
3	.000009	.000010	3	.000003	.000004	4	.000008	.000009
4	.000045	.000055	4	.000019	.000023	5	.000036	.000045
5	.000181	.000236	5	.000081	.000104	6	.000134	.000179
6	.000602	.000838	6	.000288	.000393	7	.000429	.000608
7	.001694	.002532	7	.000865	.001258	8	.001182	.001790
8	.004123	.006655	8	.002244	.003502	9	.002862	.004652
9	.008811	.015466	9	.005111	.008613	10	.006163	.010815
10	.016741	.032207	10	.010350	.018963	11	.011915	.022730
11	.028559	.060766	11	.018818	.037781	12	.020851	.043582
12	.044102	.104869	12	.030972	.068753	13	.032356	.076838
13	.062070	.166939	13	.046158	.115211	14	.048622	.125460
14	.080078	.247017	14	.063879	.179090	15	.065486	.190945
15	.095171	.342188	15	.080914	.260004	16	.081598	.272543
16	.104644	.446832	16	.094821	.354825	17	.094418	.366961
17	.106848	.553679	17	.103188	.458013	18	.101788	.468749
18	.101645	.655324	18	.104621	.562633	19	.102534	.571283
19	.090351	.745675	19	.099114	.661748	20	.096758	.668041
20	.075237	.809111	20	.087964	.749712	21	.085735	.753776
21	.058827	.879738	21	.073303	.823015	22	.071479	.825255
22	.043278	.923017	22	.057476	.880491	23	.056176	.881431
23	.030014	.953030	23	.042483	.922974	24	.041688	.923118
24	.019654	.972685	24	.029649	.952823	25	.029255	.952373
25	.012171	.984856	25	.019569	.972192	26	.019442	.971815
26	.007137	.991193	26	.012230	.984422	27	.012250	.984065
27	.003968	.995961	27	.007248	.991670	28	.007327	.991392
28	.002094	.998056	28	.004077	.995746	29	.004164	.995556
29	.001050	.999106	29	.002179	.997925	30	.002251	.997807
30	.000501	.999607	30	.001108	.999033	31	.001158	.998965
31	.000227	.999834	31	.000536	.999569	32	.000568	.999532
32	.000098	.999933	32	.000247	.999816	33	.000265	.999797
33	.000041	.999973	33	.000109	.999925	34	.000118	.999915
34	.000016	.999989	34	.000045	.999970	35	.000050	.999966
35	.000006	.999995	35	.000018	.999988	36	.000020	.999986
36	.000002	.999997	36	.000007	.999995	37	.000008	.999994
37	.000001	.999998	37	.000003	.999998	38	.000003	.999997
38	.000000	.999998	38	.000001	.999999	39	.000001	.999998
			39	.000000	.999999	40	.000000	.999998

50-100 BINOMIAL TABLES

n-  
90

p=.22

p=.23

p=.24

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
3	.000001	.000001	4	.000001	.000001	4	.000000	.000001
4	.000003	.000004	5	.000006	.000008	5	.000003	.000003
5	.000015	.000019	6	.000027	.000035	6	.000012	.000015
6	.000061	.000080	7	.000096	.000131	7	.000044	.000059
7	.000206	.000286	8	.000299	.000430	8	.000144	.000202
8	.000603	.000889	9	.000813	.001243	9	.000414	.000616
9	.001550	.002440	10	.001968	.003211	10	.001058	.001675
10	.003542	.005982	11	.002757	.007486	11	.002431	.004105
11	.007265	.013447	12	.008406	.015892	12	.005053	.009159
12	.013491	.020738	13	.015066	.030958	13	.009575	.018734
13	.022831	.049569	14	.024751	.055708	14	.016630	.035364
14	.035417	.084985	15	.037458	.093167	15	.026608	.061972
15	.050613	.135598	16	.052447	.145614	16	.039387	.101358
16	.066916	.202914	17	.068194	.213808	17	.054142	.155500
17	.081156	.284670	18	.082610	.296418	18	.069339	.224839
18	.093976	.378046	19	.093508	.389925	19	.082977	.307816
19	.100444	.479090	20	.099155	.489080	20	.093021	.400837
20	.100573	.579663	21	.098725	.587806	21	.097917	.498754
21	.094556	.674219	22	.092490	.680295	22	.096980	.595734
22	.083645	.757864	23	.081679	.761974	23	.090544	.686278
23	.069751	.827615	24	.068110	.830084	24	.079822	.766100
24	.054922	.882537	25	.053710	.883794	25	.066546	.832646
25	.040895	.923433	26	.040108	.943902	26	.052536	.885182
26	.028837	.952269	27	.028398	.952300	27	.039326	.924508
27	.019279	.971548	28	.019085	.971385	28	.027942	.952450
28	.012235	.983783	29	.012188	.983573	29	.018865	.971314
29	.007378	.991161	30	.007403	.990976	30	.012113	.983427
30	.004231	.995392	31	.004280	.995255	31	.007404	.990831
31	.002310	.997702	32	.002357	.997612	32	.004311	.995141
32	.001201	.998903	33	.001237	.998850	33	.002392	.997534
33	.000595	.999498	34	.000620	.999469	34	.001267	.998800
34	.000282	.999780	35	.000296	.999765	35	.000640	.999440
35	.000127	.999907	36	.000135	.999900	36	.000309	.999749
36	.000055	.999962	37	.000059	.999959	37	.000142	.999891
37	.000023	.999984	38	.000025	.999984	38	.000063	.999954
38	.000009	.999993	39	.000010	.999994	39	.000026	.999981
39	.000003	.999996	40	.000004	.999997	40	.000011	.999991
40	.000001	.999998	41	.000001	.999999	41	.000004	.999995
41	.000000	.999998	42	.000000	.999999	42	.000002	.999997
						43	.000001	.999997
						44	.000000	.999997

## 50-100 BINOMIAL TABLES

p=.25			p=.26			p=.27		
x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
5	.000001	.000001	5	.000000	.000000	6	.000001	.000001
6	.000005	.000006	6	.000002	.000002	7	.000004	.000005
7	.000019	.000026	7	.000008	.000011	8	.000014	.000018
8	.000067	.000093	8	.000031	.000042	9	.000046	.000064
9	.000204	.000297	9	.000098	.000140	10	.000137	.000201
10	.000552	.000849	10	.000279	.000119	11	.000369	.000570
11	.001338	.002187	11	.000713	.001132	12	.000898	.001467
12	.002935	.005122	12	.001649	.002781	13	.001992	.003459
13	.005871	.010992	13	.003477	.006258	14	.004053	.007512
14	.010763	.021755	14	.006720	.012978	15	.007594	.015106
15	.018177	.039932	15	.011962	.024940	16	.013167	.028273
16	.028401	.068333	16	.019701	.044641	17	.021198	.049471
17	.041210	.109543	17	.030131	.074772	18	.031797	.081269
18	.055710	.165253	18	.042934	.117706	19	.044567	.125836
19	.070370	.235622	19	.057164	.174870	20	.058517	.184353
20	.083271	.318894	20	.071301	.246171	21	.072144	.256497
21	.092523	.411417	21	.083505	.329676	22	.083689	.340186
22	.096729	.508146	22	.092020	.421696	23	.091515	.431700
23	.095327	.603473	23	.095588	.517284	24	.094492	.526192
24	.088707	.692180	24	.093758	.611043	25	.092265	.618458
25	.078062	.770243	25	.086967	.698010	26	.085314	.703772
26	.065052	.835295	26	.076390	.774400	27	.074796	.778567
27	.051399	.886694	27	.063620	.838020	28	.062244	.840812
28	.038549	.925243	28	.050294	.888315	29	.049219	.890031
29	.027472	.952715	29	.037779	.926094	30	.037016	.927047
30	.018620	.971335	30	.026990	.953084	31	.026498	.953545
31	.012013	.983348	31	.018354	.971138	32	.018070	.971615
32	.007383	.990731	32	.011890	.983328	33	.011747	.983362
33	.004325	.995056	33	.007312	.990670	34	.007284	.990645
34	.002417	.997473	34	.004325	.994995	35	.004310	.994956
35	.001289	.998762	35	.002431	.997427	36	.002436	.997391
36	.000656	.999419	36	.001305	.998732	37	.001315	.998706
37	.000319	.999738	37	.000669	.999101	38	.000678	.999384
38	.000148	.999887	38	.000328	.999729	39	.000334	.999719
39	.000066	.999953	39	.000154	.999882	40	.000158	.999876
40	.000028	.999981	40	.000069	.999951	41	.000071	.999947
41	.000011	.999992	41	.000029	.999981	42	.000031	.999978
42	.000004	.999996	42	.000012	.999993	43	.000013	.999991
43	.000002	.999998	43	.000005	.999998	44	.000005	.999996
44	.000001	.999999	44	.000002	.999999	45	.000002	.999998
45	.000000	.999999	45	.000001	1.000000	46	.000001	.999998
			46	.000000	1.000001	47	.000000	.999999

## 50-100 BINOMIAL TABLES

n=

90

p=.28

p=.29

p=.30

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
6	.000000	.000000	7	.000001	.000001	7	.000000	.000000
8	.000001	.000002	8	.000002	.000003	8	.000001	.000001
9	.000006	.000008	9	.000009	.000012	9	.000004	.000005
10	.000021	.000028	10	.000030	.000043	10	.000014	.000019
11	.000065	.000094	11	.000090	.000133	11	.000043	.000062
12	.000185	.000279	12	.000242	.000375	12	.000120	.000182
13	.000476	.000752	13	.000594	.000969	13	.000310	.000492
14	.001105	.001858	14	.001334	.002304	14	.000730	.001222
15	.002364	.004221	15	.002762	.005065	15	.001585	.002806
16	.004657	.008878	16	.005288	.010353	16	.003184	.005990
17	.008490	.017368	17	.009401	.019754	17	.005940	.011930
18	.014372	.031740	18	.015573	.035327	18	.010324	.022254
19	.022666	.054406	19	.021104	.059430	19	.016766	.039020
20	.033403	.087810	20	.034950	.094380	20	.025509	.064529
21	.046115	.133925	21	.047585	.141965	21	.036441	.100971
22	.059779	.193703	22	.060958	.202924	22	.048983	.149954
23	.072912	.266615	23	.073613	.276537	23	.062065	.212019
24	.083831	.350446	24	.083938	.360474	24	.074257	.286276
25	.091011	.441457	25	.090511	.450985	25	.084016	.370292
26	.093438	.534895	26	.092423	.543408	26	.090017	.460310
27	.090842	.625737	27	.089482	.632891	27	.091446	.551756
28	.083739	.709276	28	.082235	.715126	28	.088180	.639936
29	.073272	.782748	29	.071811	.786937	29	.080796	.720732
30	.060920	.843668	30	.059640	.846578	30	.070408	.791140
31	.048172	.891839	31	.047149	.893726	31	.058403	.849542
32	.036258	.928098	32	.035507	.929233	32	.046119	.895691
33	.025998	.954095	33	.025490	.954723	33	.034761	.930452
34	.017769	.971365	34	.017454	.972177	34	.024976	.955428
35	.007208	.990658	35	.011407	.983584	35	.017126	.972554
36	.004283	.994941	36	.007118	.990702	36	.011214	.983767
37	.002431	.997372	37	.004243	.994945	37	.007014	.990781
38	.001318	.998690	38	.002417	.997362	38	.004192	.994974
39	.000684	.999374	39	.001316	.998679	39	.002396	.997370
40	.000339	.999713	40	.000686	.999364	40	.001309	.998679
41	.000161	.999873	41	.000341	.999706	41	.000684	.999363
42	.000073	.999946	42	.000163	.999868	42	.000342	.999705
43	.000032	.999978	43	.000074	.999943	43	.000164	.999869
44	.000013	.999991	44	.000032	.999975	44	.000075	.999944
45	.000005	.999996	45	.000014	.999988	45	.000033	.999976
46	.000002	.999998	46	.000005	.999994	46	.000014	.999990
47	.000001	.999999	47	.000002	.999996	47	.000006	.999996
48	.000000	.999999	48	.000001	.999997	48	.000002	.999998
49			49	.000000	.999997	49	.000001	.999999
						50	.000000	.999999

n=

90

## 50-100 BINOMIAL TABLES

p=.31

x	Individual Term	Cumulative (x or less)
8	.000000	.000001
9	.000002	.000002
10	.000006	.000008
11	.000020	.000028
12	.000058	.000086
13	.000157	.000243
14	.000387	.000630
15	.000881	.001510
16	.001855	.003366
17	.003628	.006994
18	.006611	.013604
19	.011255	.024859
20	.017950	.042809
21	.026882	.069692
22	.037880	.107571
23	.050315	.15787
24	.063107	.220993
25	.074850	.295843
26	.084071	.379914
27	.089531	.469445
28	.090504	.559949
29	.086931	.646880
30	.079414	.726293
31	.069055	.795349
32	.057202	.852551
33	.045169	.897720
34	.034021	.931741
35	.024456	.956196
36	.016786	.972983
37	.011007	.983989
38	.006897	.990886
39	.004132	.995018
40	.002367	.997385
41	.001297	.998681
42	.000680	.999361
43	.000341	.999702
44	.000164	.999866
45	.000075	.999941
46	.000033	.999974
47	.000014	.999988
48	.000006	.999993
49	.000002	.999995
50	.000001	.999996
51	.000000	.999996
52	.000000	.999997

p=.32

x	Individual Term	Cumulative (x or less)
8	.000000	.000000
9	.000001	.000001
10	.000003	.000003
11	.000009	.000012
12	.000027	.000039
13	.000077	.000116
14	.000199	.000315
15	.000475	.000790
16	.001047	.001837
17	.002144	.003981
18	.004092	.008073
19	.007297	.015370
20	.012191	.027561
21	.019123	.046683
22	.028224	.074907
23	.039268	.114175
24	.051587	.165762
25	.064090	.229852
26	.075399	.305251
27	.084106	.389357
28	.089053	.478410
29	.089595	.568005
30	.085730	.653735
31	.078084	.731819
32	.067750	.799569
33	.056035	.855604
34	.044208	.899812
35	.033286	.933098
36	.023931	.957029
37	.016436	.973465
38	.010788	.984252
39	.006769	.991021
40	.004061	.995082
41	.002331	.997413
42	.001280	.998693
43	.000672	.999365
44	.000338	.999703
45	.000163	.999865
46	.000075	.999940
47	.000033	.999973
48	.000014	.999987
49	.000006	.999993
50	.000002	.999995
51	.000001	.999996
52	.000000	.999996

p=.33

x	Individual Term	Cumulative (x or less)
10	.000001	.000001
11	.000004	.000005
12	.000012	.000018
13	.000037	.000054
14	.000099	.000154
15	.000248	.000401
16	.000572	.000974
17	.001227	.002200
18	.002450	.004651
19	.004574	.009224
20	.007997	.017221
21	.013129	.030350
22	.020282	.050632
23	.029534	.080166
24	.046069	.120775
25	.052804	.173580
26	.065020	.238600
27	.075911	.314511
28	.084125	.398636
29	.088585	.487220
30	.088171	.575937
31	.084573	.660510
32	.076802	.737313
33	.066486	.803799
34	.054899	.858697
35	.043264	.901961
36	.032555	.934516
37	.023102	.957918
38	.016076	.973995
39	.010558	.984552
40	.006630	.991182
41	.003982	.995164
42	.002288	.997453
43	.001258	.998711
44	.000662	.999373
45	.000333	.999706
46	.000161	.999867
47	.000074	.999941
48	.000033	.999973
49	.000014	.999987
50	.000006	.999993
51	.000002	.999995
52	.000001	.999996
53	.000000	.999996

## 50-100 BINOMIAL TABLES

p=.34

x	Individual Term	Cumulative (x or less)
10	.000000	.000001
11	.000002	.000002
12	.000005	.000008
13	.000017	.000025
14	.000048	.000073
15	.000126	.000198
16	.000303	.000501
17	.000680	.001181
18	.001420	.002602
19	.002773	.005374
20	.005071	.010445
21	.008707	.019152
22	.014068	.033220
23	.021426	.054646
24	.030814	.085460
25	.041907	.127368
26	.053971	.181339
27	.065904	.247243
28	.076189	.323632
29	.084132	.407764
30	.088126	.495890
31	.087867	.583757
32	.083157	.667214
33	.075564	.742778
34	.065260	.808038
35	.053790	.861828
36	.042335	.904162
37	.031829	.935991
38	.022869	.958860
39	.015708	.974568
40	.010317	.984885
41	.006482	.991367
42	.003896	.995263
43	.002240	.997503
44	.001233	.998736
45	.000649	.999385
46	.000327	.999712
47	.000158	.999870
48	.000073	.999942
49	.000032	.999975
50	.000014	.999988
51	.000005	.999994
52	.000002	.999996
53	.000001	.999997
54	.000000	.999997

p=.35

x	Individual Term	Cumulative (x or less)
11	.000001	.000001
12	.000002	.000003
13	.000008	.000011
14	.000023	.000034
15	.000062	.000095
16	.000156	.000251
17	.000365	.000616
18	.000797	.001413
19	.001627	.003040
20	.003110	.006150
21	.005581	.011731
22	.009426	.021157
23	.015006	.036162
24	.022556	.058719
25	.032065	.090783
26	.043164	.133948
27	.055093	.189040
28	.066747	.255787
29	.076839	.332625
30	.084128	.416754
31	.087677	.504431
32	.087045	.591476
33	.082378	.673854
34	.074364	.748218
35	.064067	.812286
36	.052705	.864991
37	.041419	.906410
38	.031106	.937516
39	.022333	.959849
40	.015332	.975181
41	.010068	.985249
42	.006325	.991574
43	.003802	.995375
44	.002187	.997562
45	.001204	.998766
46	.000634	.999400
47	.000320	.999719
48	.000154	.999873
49	.000071	.999945
50	.000031	.999976
51	.000013	.999989
52	.000005	.999995
53	.000002	.999997
54	.000001	.999998
55	.000000	.999998

p=.36

x	Individual Term	Cumulative (x or less)
11	.000000	.000000
12	.000001	.000001
13	.000003	.000005
14	.000010	.000015
15	.000029	.000044
16	.000078	.000122
17	.000190	.000312
18	.000434	.000746
19	.000924	.001670
20	.001845	.003515
21	.003460	.006975
22	.006104	.013079
23	.010151	.023230
24	.015940	.039170
25	.023671	.062841
26	.033288	.096129
27	.044384	.140512
28	.056173	.196685
29	.067553	.264238
30	.077264	.341502
31	.084118	.425619
32	.087239	.512858
33	.086248	.599106
34	.081333	.680439
35	.073200	.753638
36	.062906	.816544
37	.051642	.868187
38	.040515	.908702
39	.030387	.939089
40	.021793	.960081
41	.01949	.975831
42	.009811	.985641
43	.006160	.991801
44	.003701	.995503
45	.002128	.997631
46	.001171	.998802
47	.000617	.999419
48	.000311	.999730
49	.000150	.999879
50	.000069	.999949
51	.000030	.999979
52	.000013	.999992
53	.000005	.999997
54	.000002	.999999
55	.000001	1.000000
56	.000000	1.000001

n=

90

## 50-100 BINOMIAL TABLES

p=.37

x	Individual Term	Cumulative (x or less)
12	.000000	.000001
13	.000001	.000002
14	.000005	.000007
15	.000014	.000020
16	.000038	.000058
17	.000096	.000154
18	.000228	.000382
19	.000508	.000890
20	.001060	.001950
21	.002075	.004025
22	.003822	.007847
23	.006637	.014484
24	.010881	.025365
25	.016871	.042236
26	.024771	.067007
27	.034484	.101491
28	.045568	.147059
29	.057216	.204274
30	.068326	.272600
31	.077667	.350267
32	.084100	.434367
33	.086811	.521178
34	.085473	.606651
35	.080318	.686969
36	.072066	.759015
37	.061771	.820807
38	.050599	.871405
39	.039622	.911028
40	.029670	.940697
41	.021250	.961947
42	.014560	.976507
43	.009516	.986053
44	.005988	.992041
45	.003595	.995636
46	.002066	.997701
47	.001136	.998837
48	.000597	.999435
49	.000301	.999735
50	.000145	.999880
51	.000067	.999947
52	.000029	.999976
53	.000012	.999989
54	.000005	.999994
55	.000002	.999996
56	.000001	.999996
57	.000000	.999997

p=.38

x	Individual Term	Cumulative (x or less)
12	.000000	.000000
13	.000001	.000001
14	.000002	.000003
15	.000006	.000009
16	.000018	.000026
17	.000047	.000073
18	.000117	.000190
19	.000271	.000461
20	.000590	.001051
21	.001204	.002255
22	.002315	.004570
23	.004195	.008765
24	.007178	.015943
25	.011615	.027558
26	.017797	.045355
27	.025855	.071210
28	.035655	.106865
29	.046721	.153586
30	.058225	.211811
31	.069070	.280881
32	.078052	.358933
33	.084079	.443012
34	.086393	.529405
35	.084721	.614125
36	.079331	.693456
37	.070962	.764418
38	.060661	.825079
39	.049572	.874651
40	.038738	.913390
41	.028955	.942344
42	.020704	.963049
43	.014165	.977214
44	.009274	.986488
45	.005810	.992298
46	.003484	.995782
47	.001999	.997781
48	.001098	.998878
49	.000577	.999455
50	.000290	.999745
51	.000139	.999884
52	.000064	.999948
53	.000028	.999976
54	.000012	.999988
55	.000005	.999992
56	.000002	.999994
57	.000001	.999995
58	.000000	.999995

p=.39

x	Individual Term	Cumulative (x or less)
14	.000001	.000001
15	.000003	.000004
16	.000008	.000012
17	.000022	.000034
18	.000058	.000092
19	.000140	.000232
20	.000318	.000549
21	.000677	.001226
22	.001357	.002583
23	.002565	.005118
24	.004578	.009726
25	.007727	.017453
26	.012351	.029804
27	.018717	.048521
28	.026925	.075446
29	.036803	.112249
30	.047844	.160093
31	.059204	.219297
32	.069789	.289087
33	.078422	.367509
34	.084056	.451565
35	.085985	.537550
36	.083988	.621538
37	.078369	.699908
38	.069883	.769791
39	.059573	.829363
40	.048561	.877925
41	.037863	.915787
42	.028242	.944029
43	.020156	.964185
44	.013765	.977950
45	.008996	.986946
46	.005627	.992573
47	.003368	.995941
48	.001929	.997870
49	.001057	.998927
50	.000554	.999481
51	.000278	.999759
52	.000133	.999892
53	.000061	.999953
54	.000027	.999980
55	.000011	.999991
56	.000004	.999996
57	.000002	.999997
58	.000001	.999998
59	.000000	.999998

## 50-100 BINOMIAL TABLES

n=90

p=.40

p=.41

p=.42

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
14	.000000	.000000	15	.000000	.000001	15	.000000	.000000
15	.000001	.000002	16	.000002	.000002	16	.000001	.000001
16	.000004	.000005	17	.000005	.000007	17	.000002	.000003
17	.000010	.000015	18	.000013	.000020	18	.000006	.000009
18	.000028	.000043	19	.000034	.000054	19	.000016	.000025
19	.000070	.000113	20	.000084	.000137	20	.000041	.000066
20	.000166	.000279	21	.000194	.000331	21	.000099	.000164
21	.000368	.000647	22	.000423	.000754	22	.000225	.000389
22	.000770	.001417	23	.000868	.001622	23	.000481	.000870
23	.001517	.002934	24	.001684	.003306	24	.000972	.001842
24	.002823	.005757	25	.003090	.006396	25	.001858	.003699
25	.004969	.010726	26	.005368	.011764	26	.003363	.007063
26	.008282	.019008	27	.008842	.020606	27	.005773	.012836
27	.013088	.032096	28	.013825	.034431	28	.009406	.022242
28	.019632	.051728	29	.020540	.054971	29	.014562	.036804
29	.027981	.079708	30	.029023	.083993	30	.021442	.058246
30	.037929	.117638	31	.039035	.123029	31	.030052	.088298
31	.048941	.166579	32	.050014	.173043	32	.040123	.128421
32	.060157	.226735	33	.061085	.231128	33	.051066	.179486
33	.070487	.297222	34	.071165	.305292	34	.061993	.241479
34	.078779	.376001	35	.079125	.384418	35	.071827	.313306
35	.084031	.460033	36	.084005	.468423	36	.079464	.392770
36	.085587	.545620	37	.085198	.553621	37	.083981	.476751
37	.083274	.628894	38	.082576	.636198	38	.084819	.561570
38	.077430	.706324	39	.076511	.712709	39	.081894	.643464
39	.068827	.775151	40	.067790	.780499	40	.075611	.719075
40	.058503	.833654	41	.057449	.837949	41	.066772	.785847
41	.047563	.881218	42	.046576	.884525	42	.056411	.812258
42	.036994	.918211	43	.036130	.920655	43	.045599	.887857
43	.027530	.945742	44	.026819	.947474	44	.035271	.923128
44	.019605	.965346	45	.019051	.966525	45	.026109	.949237
45	.013360	.978707	46	.012951	.979477	46	.018495	.967733
46	.008713	.987420	47	.008426	.987902	47	.012538	.980271
47	.005438	.992858	48	.005245	.993147	48	.008134	.988405
48	.003248	.996106	49	.003124	.996271	49	.005049	.993453
49	.001856	.997962	50	.001780	.998052	50	.002998	.996451
50	.001015	.998976	51	.000970	.999022	51	.001703	.998154
51	.000530	.999507	52	.000506	.999528	52	.000925	.999078
52	.000265	.999772	53	.000252	.999780	53	.000480	.999558
53	.000127	.999899	54	.000120	.999900	54	.000238	.999797
54	.000058	.999957	55	.000055	.999954	55	.000113	.999909
55	.000025	.999982	56	.000024	.999978	56	.000051	.999961
56	.000011	.999992	57	.000010	.999988	57	.000022	.999983
57	.000004	.999997	58	.000004	.999992	58	.000009	.999992
58	.000002	.999998	59	.000001	.999993	59	.000004	.999995
59	.000001	.999999	60	.000001	.999994	60	.000001	.999997
60	.000000	.999999	61	.000000	.999994	61	.000000	.999997

n=

90

## 50-100 BINOMIAL TABLES

p=.43

x	Individual Term	Cumulative (x or less)
17	.000001	.000001
18	.000003	.000004
19	.000007	.000011
20	.000019	.000030
21	.000049	.000079
22	.000115	.000195
23	.000258	.000452
24	.000542	.000995
25	.001080	.002075
26	.002037	.004112
27	.003643	.007755
28	.006184	.013939
29	.009973	.023913
30	.015298	.039211
31	.022337	.061548
32	.031069	.092617
33	.041194	.133811
34	.052098	.185909
35	.062883	.248792
36	.072475	.321267
37	.079795	.401061
38	.083957	.485019
39	.084448	.569467
40	.081226	.650693
41	.074727	.725420
42	.065768	.791188
43	.055384	.846572
44	.044629	.891201
45	.034416	.925617
46	.025398	.951015
47	.017937	.968953
48	.012122	.981075
49	.007838	.988913
50	.004849	.993762
51	.002869	.996631
52	.001623	.998254
53	.000878	.999132
54	.000454	.999586
55	.000224	.999810
56	.000106	.999916
57	.000048	.999963
58	.000020	.999984
59	.000008	.999992
60	.000003	.999995
61	.000001	.999996
62	.000000	.999997

p=.44

x	Individual Term	Cumulative (x or less)
17	.000000	.000000
18	.000001	.000002
19	.000003	.000005
20	.000009	.000014
21	.000023	.000037
22	.000057	.000094
23	.000134	.000228
24	.000293	.000521
25	.000607	.001128
26	.001193	.002321
27	.002222	.00454
28	.003929	.008472
29	.006599	.015071
30	.010543	.025614
31	.016033	.041647
32	.023226	.064874
33	.032075	.096948
34	.042250	.139198
35	.053114	.192312
36	.063798	.256069
37	.073112	.329181
38	.080121	.409302
39	.083936	.493238
40	.084086	.577324
41	.080570	.657895
42	.073856	.731751
43	.064777	.796528
44	.054367	.850895
45	.043666	.894561
46	.033563	.928124
47	.024688	.952812
48	.017377	.970189
49	.011703	.981891
50	.007540	.989431
51	.004616	.994078
52	.002738	.996816
53	.001542	.998359
54	.000830	.999189
55	.000427	.999616
56	.000210	.999826
57	.000098	.999924
58	.000044	.999968
59	.000019	.999987
60	.000008	.999994
61	.000003	.999997
62	.000001	.999998
63	.000000	.999999

p=.45

x	Individual Term	Cumulative (x or less)
18	.000000	.000001
19	.000001	.000002
20	.000004	.000006
21	.000011	.000017
22	.000028	.000044
23	.000067	.000111
24	.000153	.000264
25	.000330	.000594
26	.000676	.001270
27	.001310	.002580
28	.002412	.004992
29	.004219	.009211
30	.007018	.016229
31	.011114	.027343
32	.016766	.044109
33	.024110	.068219
34	.033070	.101289
35	.043292	.144581
36	.054115	.198696
37	.064619	.263315
38	.073740	.337055
39	.080443	.417498
40	.083917	.501415
41	.081731	.585146
42	.079925	.665071
43	.072997	.738068
44	.063797	.801865
45	.053357	.855222
46	.042707	.897930
47	.032712	.930641
48	.023976	.954618
49	.018015	.971432
50	.011281	.982713
51	.007239	.989952
52	.004442	.994395
53	.002606	.997000
54	.001461	.998461
55	.000782	.999244
56	.000400	.999644
57	.000195	.999839
58	.000091	.999930
59	.000040	.999970
60	.000017	.999987
61	.000007	.999994
62	.000003	.999997
63	.000001	.999998
64	.000000	.999998

## 50-100 BINOMIAL TABLES

n=90

p=.46

p=.47

p=.48

x	Individual Term	Cumulative (x or less)
18	.000000	.000000
19	.000001	.000001
20	.000002	.000003
21	.000005	.000007
22	.000013	.000020
23	.000032	.000053
24	.000077	.000130
25	.000174	.000303
26	.000370	.000673
27	.000746	.001420
28	.001431	.002850
29	.002605	.005456
30	.004513	.009969
31	.007441	.017409
32	.011686	.029096
33	.017497	.046592
34	.024987	.071580
35	.034057	.105636
36	.044323	.149959
37	.055104	.205063
38	.065469	.270533
39	.074360	.344893
40	.080764	.425656
41	.083901	.509557
42	.083383	.592940
43	.079289	.672229
44	.072148	.744377
45	.062825	.807202
46	.052354	.859556
47	.041751	.901307
48	.031861	.933169
49	.023264	.956432
50	.016250	.972682
51	.010857	.983539
52	.006936	.990476
53	.004237	.994712
54	.002473	.997185
55	.001379	.998564
56	.000734	.999298
57	.000373	.999671
58	.000181	.999852
59	.000084	.999935
60	.000037	.999972
61	.000015	.999987
62	.000006	.999993
63	.000002	.999996
64	.000001	.999997
65	.000000	.999997

x	Individual Term	Cumulative (x or less)
20	.000001	.000001
21	.000002	.000003
22	.000006	.000009
23	.000015	.000024
24	.000038	.000062
25	.000088	.000150
26	.000195	.000345
27	.000411	.000756
28	.000820	.001576
29	.001554	.003131
30	.002803	.005933
31	.004811	.010744
32	.007865	.018609
33	.012259	.030869
34	.018225	.049094
35	.025859	.074953
36	.035035	.109988
37	.045344	.155332
38	.056083	.211415
39	.066312	.277726
40	.074976	.352702
41	.081083	.433785
42	.083888	.517673
43	.083041	.600714
44	.078661	.679376
45	.071306	.750682
46	.061859	.812541
47	.051355	.863896
48	.040797	.904693
49	.031010	.935703
50	.022550	.958253
51	.015684	.973937
52	.010431	.984368
53	.006632	.991001
54	.004030	.995031
55	.002339	.997370
56	.001296	.998666
57	.000686	.999352
58	.000346	.999698
59	.000166	.999865
60	.000076	.999941
61	.000033	.999974
62	.000014	.999988
63	.000005	.999993
64	.000002	.999995

x	Individual Term	Cumulative (x or less)
20	.000000	.000000
21	.000001	.000001
22	.000003	.000004
23	.000007	.000011
24	.000018	.000028
25	.000043	.000072
26	.000100	.000172
27	.000218	.000390
28	.000454	.000844
29	.000896	.001739
30	.001681	.003420
31	.003003	.006423
32	.005111	.011534
33	.008292	.019826
34	.012832	.032658
35	.018952	.051610
36	.026727	.078337
37	.036006	.114343
38	.046356	.160699
39	.057054	.217753
40	.067118	.284901
41	.075588	.360489
42	.081403	.441892
43	.083878	.525770
44	.082705	.608476
45	.078040	.686516
46	.070471	.756986
47	.060898	.817884
48	.050358	.868242
49	.039844	.908086
50	.030159	.938244
51	.021834	.960078
52	.015116	.975194
53	.010004	.985199
54	.006327	.991526
55	.003823	.995349
56	.002206	.997555
57	.001214	.998769
58	.000638	.99907
59	.000319	.999726
60	.000152	.999878
61	.000069	.999947
62	.000030	.999977
63	.000012	.999990
64	.000005	.999994
65	.000002	.999996
66	.000001	.999997
67	.000000	.999997

n=

90

## 50-100 BINOMIAL TABLES

p=.49

x	Individual Term	Cumulative (x or less)
22	.000001	.000001
23	.000003	.000004
24	.000008	.000013
25	.000021	.000033
26	.000049	.000082
27	.000112	.000194
28	.000243	.000437
29	.000498	.000935
30	.000973	.001908
31	.001810	.003718
32	.003206	.006924
33	.005413	.012337
34	.008720	.021057
35	.013404	.034461
36	.019676	.054137
37	.027590	.081727
38	.036972	.118698
39	.047362	.166061
40	.058019	.224079
41	.067980	.292059
42	.076200	.368259
43	.081724	.449983
44	.083873	.533856
45	.082375	.616231
46	.077124	.693655
47	.069639	.763294
48	.059939	.823233
49	.049361	.872594
50	.038889	.911483
51	.029305	.940788
52	.021117	.961905
53	.014547	.976152
54	.009576	.986028
55	.006022	.992051
56	.003616	.995667
57	.002073	.997740
58	.001133	.998873
59	.000590	.999463
60	.000293	.999756
61	.000138	.999894
62	.000062	.999957
63	.000026	.999983
64	.000011	.999994
65	.000004	.999998
66	.000002	1.000000
67	.000001	1.000000

p=.50

x	Individual Term	Cumulative (x or less)
22	.000000	.000001
23	.000001	.000002
24	.000004	.000005
25	.000009	.000015
26	.000023	.000038
27	.000056	.000094
28	.000125	.000219
29	.000267	.000486
30	.000544	.001030
31	.001052	.002082
32	.001940	.004023
33	.003410	.007433
34	.005717	.013151
35	.009148	.022299
36	.013976	.036275
37	.020397	.056672
38	.028449	.085121
39	.037932	.123053
40	.048363	.171416
41	.058980	.230396
42	.068810	.299206
43	.076811	.376016
44	.082048	.458064
45	.083871	.511935
46	.082048	.623983
47	.076811	.700793
48	.068810	.769603
49	.058980	.828583
50	.048363	.876946
51	.037932	.914878
52	.028449	.943327
53	.020397	.963724
54	.013976	.977700
55	.009148	.986848
56	.005717	.992566
57	.003410	.995976
58	.001940	.997916
59	.001052	.998869
60	.000544	.999513
61	.000267	.999780
62	.000125	.999905
63	.000056	.999961
64	.000023	.999984
65	.000009	.999994
66	.000004	.999997
67	.000001	.999998

50-100 BINOMIAL TABLES

n=

95

p=.01

x	Individual Term	Cumulative (x or less)
0	.384896	.384896
1	.369345	.754241
2	.175346	.929586
3	.054906	.984493
4	.012756	.997249
5	.002345	.999594
6	.000355	.999949
7	.000046	.999995
8	.000005	1.000000
9	.000000	1.000001

p=.02

x	Individual Term	Cumulative (x or less)
0	.146716	.146716
1	.284449	.431165
2	.272839	.704004
3	.172612	.876617
4	.081022	.957639
5	.030094	.987733
6	.009212	.996945
7	.002390	.999335
8	.000537	.999872
9	.000106	.999978
10	.000019	.999997
11	.000003	.999999
12	.000000	1.000000

p=.03

x	Individual Term	Cumulative (x or less)
0	.055375	.055375
1	.162700	.218075
2	.236502	.454577
3	.226719	.681327
4	.161296	.842623
5	.090791	.933414
6	.042120	.975534
7	.016563	.992096
8	.005635	.997731
9	.001685	.999416
10	.000448	.999864
11	.000107	.999971
12	.000023	.999994
13	.000005	.999999
14	.000001	.999999
15	.000000	1.000000

p=.04

x	Individual Term	Cumulative (x or less)
0	.020690	.020690
1	.081899	.102590
2	.160386	.262975
3	.207165	.470140
4	.198533	.668673
5	.150554	.819228
6	.094096	.913324
7	.049849	.963173
8	.022847	.986020
9	.009202	.995223
10	.003298	.998520
11	.001062	.999582
12	.000310	.999891
13	.000082	.999974
14	.000020	.999994

p=.05

x	Individual Term	Cumulative (x or less)
0	.007651	.007651
1	.038257	.045909
2	.09636	.140545
3	.154406	.294951
4	.186913	.481864
5	.179043	.660906
6	.141350	.802256
7	.094587	.896843
8	.054761	.951604
9	.027861	.979465
10	.012611	.992076
11	.005129	.997205
12	.001890	.999094
13	.000635	.999729
14	.000196	.999925
15	.000056	.999980
16	.000015	.999995
17	.000004	.999998
18	.000001	.999999
19	.000000	.999999

p=.06

x	Individual Term	Cumulative (x or less)
0	.002800	.002800
1	.016978	.019778
2	.050935	.070713
3	.100786	.171499
4	.147962	.319461
5	.171888	.491349
6	.164573	.655922
7	.133560	.789482
8	.093776	.883258
9	.057862	.941119
10	.031762	.972882
11	.015666	.988548
12	.007000	.995548
13	.002853	.998400
14	.001066	.999467
15	.000368	.999834
16	.000117	.999952
17	.000035	.999987
18	.000010	.999996
19	.000002	.999999
20	.000001	.999999
21	.000000	.999999

## 50-100 BINOMIAL TABLES

p=.07

x	Individual Term	Cumulative (x or less)
0	.001014	.001014
1	.007248	.008262
2	.025641	.033902
3	.059829	.093731
4	.103574	.197305
5	.141885	.339191
6	.160193	.499384
7	.153303	.652687
8	.126928	.779615
9	.092353	.871968
10	.059781	.931749
11	.034770	.966519
12	.018320	.984839
13	.008804	.993643
14	.003881	.997524
15	.001578	.999102
16	.000594	.999695
17	.000208	.999903
18	.000068	.999971
19	.000021	.999991
20	.000006	.999997
21	.000002	.999999
22	.000000	.999999

p=.08

x	Individual Term	Cumulative (x or less)
0	.000363	.000363
1	.002998	.003361
2	.012254	.015615
3	.033032	.048647
4	.066064	.114711
5	.104553	.219264
6	.136374	.355637
7	.150773	.506411
8	.144218	.650628
9	.121227	.771855
10	.090656	.862511
11	.060915	.923427
12	.037079	.960506
13	.020586	.981091
14	.010485	.991576
15	.004923	.996499
16	.002141	.998640
17	.000865	.999505
18	.000326	.999830
19	.000115	.999945
20	.000038	.999983
21	.000012	.999995
22	.000003	.999999
23	.000001	1.000000
24	.000000	1.000000

p=.09

x	Individual Term	Cumulative (x or less)
0	.000129	.000129
1	.001207	.001336
2	.005612	.006948
3	.017208	.024156
4	.039142	.063298
5	.070456	.133755
6	.104523	.238278
7	.131433	.369711
8	.142988	.512699
9	.136703	.649402
10	.116272	.765674
11	.088859	.854533
12	.061518	.916051
13	.038845	.954897
14	.022502	.977399
15	.012018	.989417
16	.005943	.995359
17	.002731	.998091
18	.001171	.999261
19	.000469	.999731
20	.000176	.999907
21	.000062	.999969
22	.000021	.999990
23	.000007	.999996
24	.000002	.999999
25	.000001	.999999
26	.000000	.999999

## 50-100 BINOMIAL TABLES

n=

95

p=.10

p=.11

p=.12

x	Individual Term	Cumulative (x or less)
0	.000045	.000045
1	.000475	.000520
2	.002480	.002999
3	.008541	.011540
4	.021826	.033366
5	.044138	.077504
6	.073563	.151067
7	.103922	.254988
8	.127016	.382004
9	.136424	.518428
10	.130361	.648789
11	.111926	.760714
12	.087053	.847768
13	.061756	.909524
14	.040190	.949714
15	.024114	.973828
16	.013397	.987225
17	.006917	.994142
18	.003331	.997473
19	.001500	.998973
20	.000633	.999606
21	.000251	.999857
22	.000094	.999951
23	.000033	.999984
24	.000011	.999995
25	.000003	.999999
26	.000001	1.000000
27	.000000	1.000000

x	Individual Term	Cumulative (x or less)
0	.000016	.000016
1	.000183	.000198
2	.001061	.001260
3	.004067	.005326
4	.011560	.016887
5	.026004	.042891
6	.048210	.091101
7	.075759	.166861
8	.102998	.269859
9	.123058	.392917
10	.130801	.523717
11	.124922	.648639
12	.108079	.756718
13	.085286	.842004
14	.061740	.903744
15	.041206	.944950
16	.025464	.970414
17	.014626	.985040
18	.007833	.992873
19	.003924	.996797
20	.001843	.998640
21	.000813	.999453
22	.000338	.999791
23	.000133	.999924
24	.000049	.999973
25	.000017	.999990
26	.000006	.999996
27	.000002	.999998
28	.000001	.999998
29	.000000	.999999

x	Individual Term	Cumulative (x or less)
0	.000005	.000005
1	.000069	.000074
2	.000442	.000516
3	.001867	.002383
4	.005855	.008238
5	.014532	.022770
6	.029725	.052495
7	.051536	.104031
8	.077304	.181335
9	.101901	.283235
10	.119501	.402737
11	.125921	.528658
12	.120197	.648855
13	.104647	.753502
14	.083582	.837084
15	.061547	.898630
16	.041964	.940594
17	.026592	.967186
18	.015713	.982899
19	.008684	.991583
20	.004500	.996083
21	.002191	.998274
22	.001005	.999279
23	.000435	.999714
24	.000178	.999892
25	.000069	.999961
26	.000025	.999986
27	.000009	.999995
28	.000003	.999998
29	.000001	.999999
30	.000000	.999999

n=

95

## 50-100 BINOMIAL TABLES

p=.13

x	Individual Term	Cumulative (x or less)
0	.000002	.000002
1	.000025	.000027
2	.000179	.000206
3	.000829	.001036
4	.002851	.003886
5	.007752	.011639
6	.017376	.029015
7	.033011	.062026
8	.054260	.116286
9	.078376	.194662
10	.100717	.295379
11	.116293	.411672
12	.121640	.533311
13	.116047	.649358
14	.101565	.750923
15	.081952	.832875
16	.061229	.894104
17	.042517	.936621
18	.027530	.964150
19	.016671	.980822
20	.009466	.990288
21	.005052	.995339
22	.002539	.997878
23	.001204	.999083
24	.000540	.999622
25	.000229	.999852
26	.000092	.999944
27	.000035	.999979
28	.000013	.999992
29	.000004	.999996
30	.000001	.999998
31	.000000	.999998

p=.14

x	Individual Term	Cumulative (x or less)
0	.000001	.000001
1	.000009	.000009
2	.000071	.000081
3	.000358	.000438
4	.001339	.001777
5	.003967	.005745
6	.009687	.015432
7	.020051	.035482
8	.035904	.071387
9	.056501	.127888
10	.079101	.206989
11	.099503	.306492
12	.113388	.419880
13	.117850	.537730
14	.112369	.650098
15	.098780	.748878
16	.080402	.829280
17	.060824	.890104
18	.042907	.933011
19	.028307	.961318
20	.017511	.978829
21	.010181	.989010
22	.005575	.995584
23	.002880	.997465
24	.001407	.998871
25	.000650	.999522
26	.000285	.999807
27	.000119	.999925
28	.000047	.999972
29	.000018	.999990
30	.000006	.999996
31	.000002	.999998
32	.000001	.999999
33	.000000	.999999

p=.15

x	Individual Term	Cumulative (x or less)
1	.000003	.000004
2	.000027	.000031
3	.000150	.000181
4	.000609	.000790
5	.001955	.002745
6	.005175	.007920
7	.011611	.019531
8	.022539	.042070
9	.038449	.080518
10	.058352	.138870
11	.079571	.218441
12	.098293	.316734
13	.110747	.427481
14	.114469	.541950
15	.109082	.651032
16	.096249	.747281
17	.078931	.826212
18	.060359	.886571
19	.043167	.929738
20	.028947	.958685
21	.018244	.976929
22	.010829	.987759
23	.006066	.993824
24	.003211	.997035
25	.001609	.998645
26	.000765	.999409
27	.000345	.999754
28	.000148	.999902
29	.000060	.999962
30	.000023	.999986
31	.000009	.999994
32	.000003	.999998
33	.000001	.999999
34	.000000	.999999

## 50-100 BINOMIAL TABLES

n=

95

p=.16

p=.17

p=.18

x	Individual Term	Cumulative (x or less)
1	.000001	.000001
2	.000010	.000012
3	.000061	.000073
4	.000268	.000341
5	.000931	.001272
6	.002659	.003930
7	.006438	.010369
8	.013490	.023859
9	.024839	.048698
10	.040689	.089386
11	.059888	.149274
12	.079851	.229125
13	.097108	.326233
14	.108338	.434570
15	.111433	.546003
16	.106127	.652130
17	.093938	.746069
18	.077537	.823605
19	.059853	.883458
20	.043322	.926780
21	.029471	.956250
22	.018882	.975132
23	.011415	.986547
24	.006523	.993070
25	.003529	.996599
26	.001810	.998408
27	.000881	.999289
28	.000407	.999696
29	.000179	.999876
30	.000075	.999951
31	.000030	.999981
32	.000011	.999992
33	.000004	.999996
34	.000001	.999998
35	.000000	.999998

x	Individual Term	Cumulative (x or less)
2	.000004	.000004
3	.000024	.000029
4	.000115	.000144
5	.000429	.000573
6	.001317	.001890
7	.003431	.005321
8	.007729	.013050
9	.015304	.028353
10	.026956	.055310
11	.042664	.097973
12	.061168	.159142
13	.079989	.239131
14	.095960	.335091
15	.106134	.441224
16	.108691	.549915
17	.103453	.653368
18	.091820	.745188
19	.076216	.821403
20	.059320	.880723
21	.043392	.924115
22	.029894	.954009
23	.019434	.973443
24	.011941	.985384
25	.006946	.992330
26	.003830	.996161
27	.002005	.998166
28	.000997	.999163
29	.000472	.999635
30	.000213	.999847
31	.000091	.999939
32	.000037	.999976
33	.000015	.999991
34	.000005	.999996
35	.000002	.999998
36	.000001	.999999
37	.000000	.999999

x	Individual Term	Cumulative (x or less)
2	.000001	.000002
3	.000010	.000011
4	.000048	.000059
5	.000192	.000251
6	.000631	.000882
7	.001762	.002643
8	.004253	.006897
9	.009026	.015923
10	.017039	.032961
11	.028902	.061863
12	.044410	.106272
13	.062240	.168513
14	.080023	.248536
15	.094857	.343392
16	.104111	.447503
17	.106202	.553706
18	.101022	.654727
19	.089869	.744596
20	.074964	.819560
21	.058770	.878329
22	.043393	.921722
23	.030232	.951955
24	.019909	.971864
25	.012412	.984276
26	.007335	.991611
27	.004115	.995726
28	.002194	.997920
29	.001113	.999032
30	.000537	.999569
31	.000247	.999817
32	.000109	.999925
33	.000045	.999971
34	.000018	.999989
35	.000007	.999996
36	.000003	.999998
37	.000001	.999999
38	.000000	1.000000

n=

95

## 50-100 BINOMIAL TABLES

p=.19

p=.20

p=.21

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
2	.000000	.000001	2	.000000	.000000	3	.000000	.000001
3	.000004	.000004	3	.000001	.000002	4	.000003	.000004
4	.000020	.000024	4	.000008	.000009	5	.000014	.000018
5	.000083	.000107	5	.000035	.000044	6	.000058	.000076
6	.000293	.000400	6	.000132	.000176	7	.000195	.000271
7	.000874	.001273	7	.000419	.000596	8	.000570	.000841
8	.002254	.003528	8	.001153	.001749	9	.001465	.002306
9	.005111	.008639	9	.002786	.004535	10	.003350	.005656
10	.010311	.018950	10	.005991	.010526	11	.006881	.012537
11	.018689	.037639	11	.011573	.022099	12	.012804	.025341
12	.030687	.068326	12	.020253	.042352	13	.021730	.047071
13	.045958	.114284	13	.032327	.074678	14	.033833	.080904
14	.063142	.177426	14	.047336	.122014	15	.048566	.129470
15	.079979	.257405	15	.063903	.185917	16	.064549	.194019
16	.093803	.351208	16	.079879	.265796	17	.079737	.273756
17	.102250	.453458	17	.092800	.358596	18	.091849	.365605
18	.103933	.557391	18	.100534	.459129	19	.098497	.464553
19	.098801	.656191	19	.101856	.560986	20	.099494	.564502
20	.088067	.744258	20	.096764	.657749	21	.094889	.659391
21	.073777	.818035	21	.086396	.744145	22	.084843	.744234
22	.058210	.876245	22	.072651	.816797	23	.071582	.815816
23	.043337	.919583	23	.057647	.874444	24	.057084	.872900
24	.030497	.950079	24	.043235	.917679	25	.043095	.915995
25	.020316	.970396	25	.030697	.948376	26	.030842	.946837
26	.012830	.983226	26	.020662	.969038	27	.020952	.967789
27	.007691	.990917	27	.013200	.982238	28	.013526	.981315
28	.004381	.995298	28	.008015	.990253	29	.008307	.989622
29	.002374	.997673	29	.004629	.994882	30	.004858	.994480
30	.001225	.998898	30	.002546	.997428	31	.002708	.997187
31	.000603	.999500	31	.001335	.998762	32	.001440	.998627
32	.000283	.999783	32	.000667	.999430	33	.000731	.999357
33	.000127	.999910	33	.000318	.999748	34	.000354	.999711
34	.000054	.999964	34	.000145	.999893	35	.000164	.999875
35	.000022	.999986	35	.000063	.999957	36	.000073	.999948
36	.000009	.999995	36	.000026	.999983	37	.000031	.999979
37	.000003	.999998	37	.000011	.999994	38	.000013	.999991
38	.000001	.999999	38	.000004	.999998	39	.000005	.999996
39	.000000	1.000000	39	.000001	.999999	40	.000002	.999998
			40	.000001	1.000000	41	.000001	.999999
			41	.000000	1.000000	42	.000000	.999999

## 50-100 BINOMIAL TABLES

n=95

p=.22

p=.23

p=.24

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
3	.000000	.000000	5	.000002	.000003	5	.000001	.000001
4	.000001	.000001	6	.000010	.000013	6	.000004	.000005
5	.000006	.000007	7	.000039	.000052	7	.000016	.000022
6	.000025	.000032	8	.000127	.000178	8	.000057	.000079
7	.000088	.000120	9	.000366	.000545	9	.000175	.000253
8	.000273	.000393	10	.000941	.001485	10	.000474	.000727
9	.000745	.001138	11	.002172	.003657	11	.001157	.001884
10	.001806	.002944	12	.004541	.008198	12	.002557	.004441
11	.003937	.006881	13	.008660	.016857	13	.005155	.009596
12	.007773	.014654	14	.015150	.032007	14	.009535	.019132
13	.013997	.028651	15	.024437	.056444	15	.016260	.035392
14	.023124	.051775	16	.036497	.092941	16	.025674	.061066
15	.035219	.086994	17	.050661	.143602	17	.037677	.098743
16	.049668	.136662	18	.065574	.209175	18	.051557	.150300
17	.065100	.201763	19	.079378	.288554	19	.065982	.216282
18	.079567	.281330	20	.090100	.378653	20	.079178	.295160
19	.090949	.372279	21	.096117	.474771	21	.089299	.384759
20	.097479	.469758	22	.096571	.571342	22	.094853	.479613
21	.098193	.567951	23	.091555	.662897	23	.095070	.574683
22	.093158	.661109	24	.082042	.744939	24	.090067	.664750
23	.083395	.744504	25	.069598	.814537	25	.080776	.745526
24	.070565	.815070	26	.055970	.870507	26	.068676	.814202
25	.056525	.871594	27	.042725	.913232	27	.055422	.869624
26	.042923	.914517	28	.030993	.944225	28	.042504	.912129
27	.030939	.945456	29	.021388	.965613	29	.031011	.943139
28	.021193	.966668	30	.014055	.979669	30	.021544	.964683
29	.013810	.980458	31	.008803	.988472	31	.014265	.978948
30	.008569	.989027	32	.005259	.993730	32	.009010	.987958
31	.005068	.994095	33	.002999	.996729	33	.005432	.993390
32	.002859	.996954	34	.001633	.998363	34	.003128	.996517
33	.001539	.998493	35	.000850	.999213	35	.001721	.998239
34	.000792	.999285	36	.000423	.999637	36	.000906	.999145
35	.000389	.999674	37	.000202	.999838	37	.000456	.999601
36	.000183	.999857	38	.000092	.999930	38	.000220	.999821
37	.000082	.999939	39	.000040	.999970	39	.000101	.999923
38	.000035	.999975	40	.000017	.999987	40	.000045	.999967
39	.000015	.999989	41	.000007	.999994	41	.000019	.999986
40	.000006	.999995	42	.000003	.999996	42	.000008	.999994
41	.000002	.999997	43	.000001	.999997	43	.000003	.999997
42	.000001	.999998	44	.000000	.999998	44	.000001	.999998
43	.000000	.999999				45	.000000	.999999

n=

95

## 50-100 BINOMIAL TABLES

p=.25

p=.26

p=.27

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
6	.000002	.000002	6	.000001	.000001	7	.000001	.000001
7	.000007	.000009	7	.000003	.000004	8	.000004	.000006
8	.000025	.000034	8	.000011	.000014	9	.000016	.000022
9	.000081	.000115	9	.000036	.000050	10	.000050	.000072
10	.000231	.000346	10	.000109	.000160	11	.000143	.000215
11	.000596	.000942	11	.000297	.000457	12	.000371	.000587
12	.001390	.002332	12	.000730	.001187	13	.000877	.001464
13	.002958	.005290	13	.001639	.002826	14	.001900	.003363
14	.005776	.011065	14	.003372	.006198	15	.003795	.007158
15	.010396	.021462	15	.006397	.012595	16	.007017	.014175
16	.017327	.038789	16	.011239	.023834	17	.012061	.026236
17	.026840	.065628	17	.018350	.042184	18	.019331	.045567
18	.038769	.104397	18	.027939	.070123	19	.028975	.074542
19	.052372	.156768	19	.039782	.109904	20	.040724	.115267
20	.066337	.223106	20	.053114	.163018	21	.053794	.169061
21	.078973	.302079	21	.066649	.229667	22	.066924	.235985
22	.088545	.390624	22	.078767	.308434	23	.078564	.314549
23	.093678	.484302	23	.087837	.396271	24	.087173	.401722
24	.093678	.577981	24	.092585	.488856	25	.091568	.493290
25	.088682	.666663	25	.092385	.581241	26	.091182	.584471
26	.079587	.746250	26	.087391	.668632	27	.086185	.670657
27	.067796	.814046	27	.078468	.747101	28	.077415	.748072
28	.054882	.868928	28	.066956	.814056	29	.066152	.814224
29	.042266	.911194	29	.054351	.868407	30	.053828	.868052
30	.030995	.942189	30	.042012	.910419	31	.041745	.909796
31	.021663	.963852	31	.030950	.941369	32	.030880	.940676
32	.014442	.978294	32	.021749	.963118	33	.021804	.962480
33	.009190	.987185	33	.014588	.977706	34	.014706	.977186
34	.005586	.993071	34	.009347	.987053	35	.009480	.986666
35	.003245	.996316	35	.005723	.992776	36	.005844	.992509
36	.001803	.998119	36	.003352	.996128	37	.003446	.995956
37	.000958	.999078	37	.001878	.998006	38	.001946	.997901
38	.000488	.999565	38	.001007	.999013	39	.001052	.998953
39	.000238	.999803	39	.000517	.999530	40	.000545	.999498
40	.000111	.999914	40	.000254	.999784	41	.000270	.999768
41	.000050	.999963	41	.000120	.999904	42	.000128	.999896
42	.000021	.999984	42	.000054	.999958	43	.000059	.999955
43	.000009	.999993	43	.000023	.999982	44	.000026	.999981
44	.000003	.999996	44	.000010	.999992	45	.000011	.999991
45	.000001	.999998	45	.000004	.999995	46	.000004	.999996
46	.000000	.999998	46	.000001	.999997	47	.000002	.999997
			47	.000001	.999997	48	.000001	.999998
			48	.000000	.999998	49	.000000	.999998

## 50-100 BINOMIAL TABLES

n=

95

p=.28

p=.29

p=.30

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
7	.000000	.000001	8	.000001	.000001	8	.000000	.000000
8	.000002	.000002	9	.000003	.000004	9	.000001	.000001
9	.000007	.000009	10	.000010	.000013	10	.000004	.000006
10	.000022	.000031	11	.000031	.000044	11	.000013	.000019
11	.000067	.000099	12	.000087	.000131	12	.000040	.000059
12	.000183	.000281	13	.000228	.000359	13	.000111	.000170
13	.000154	.000735	14	.000544	.000903	14	.000277	.000447
14	.001034	.001770	15	.001201	.002104	15	.000642	.001089
15	.002172	.003942	16	.002453	.004557	16	.001376	.002465
16	.004223	.008165	17	.004655	.009212	17	.002740	.005205
17	.007632	.015797	18	.008439	.017451	18	.005088	.010293
18	.012861	.028658	19	.013639	.031090	19	.008838	.019131
19	.020270	.048928	20	.021169	.052259	20	.014393	.033523
20	.029954	.078882	21	.030880	.083139	21	.022030	.055553
21	.041603	.120486	22	.042426	.125565	22	.031757	.087310
22	.054421	.174906	23	.055000	.180565	23	.043197	.130507
23	.067171	.242078	24	.067394	.247959	24	.055539	.186047
24	.078366	.320444	25	.078177	.326136	25	.067599	.253646
25	.086551	.406995	26	.085970	.412106	26	.077999	.331645
26	.090620	.497615	27	.089737	.501843	27	.085428	.417073
27	.090061	.587676	28	.089015	.590858	28	.088914	.505987
28	.085057	.672733	29	.084000	.674857	29	.088038	.594026
29	.076421	.749154	30	.075481	.750339	30	.083008	.677033
30	.065383	.814537	31	.064044	.814983	31	.074592	.751626
31	.053314	.867850	32	.052808	.867791	32	.063936	.815562
32	.041466	.909317	33	.041178	.908970	33	.052311	.867873
33	.030786	.940102	34	.030670	.939640	34	.040882	.908755
34	.021832	.961934	35	.021833	.961473	35	.030536	.939292
35	.014797	.976731	36	.014863	.976337	36	.021812	.961103
36	.009591	.986321	37	.009681	.986017	37	.014906	.976009
37	.005947	.992268	38	.006035	.992052	38	.009751	.985760
38	.003530	.995799	39	.003603	.995655	39	.006108	.991868
39	.002006	.997805	40	.002060	.997715	40	.003665	.995532
40	.001092	.998897	41	.001129	.998844	41	.002107	.997639
41	.000570	.999467	42	.000593	.999437	42	.001161	.998800
42	.000285	.999752	43	.000298	.999735	43	.000613	.999413
43	.000137	.999889	44	.000144	.999879	44	.000311	.999724
44	.000063	.999952	45	.000067	.999946	45	.000151	.999874
45	.000028	.999979	46	.000030	.999975	46	.000070	.999945
46	.000012	.999991	47	.000013	.999988	47	.000031	.999976
47	.000005	.999996	48	.000005	.999993	48	.000013	.999990
48	.000002	.999997	49	.000002	.999995	49	.000006	.999995
49	.000001	.999998	50	.000001	.999996	50	.000002	.999997
50	.000000	.999998	51	.000000	.999996	51	.000001	.999998
						52	.000000	.999998

## 50-100 BINOMIAL TABLES

p=.31

p=.32

p=.33

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
9	.000000	.000001	9	.000000	.000000	11	.000001	.000001
10	.000002	.000002	10	.000001	.000001	12	.000003	.000005
11	.000006	.000008	11	.000002	.000003	13	.000011	.000015
12	.000018	.000026	12	.000008	.000011	14	.000030	.000045
13	.000052	.000078	13	.000024	.000035	15	.000081	.000126
14	.000137	.000215	14	.000065	.000100	16	.000199	.000325
15	.000332	.000547	15	.000166	.000267	17	.000455	.000779
16	.000746	.001293	16	.000391	.000658	18	.000970	.001749
17	.001557	.002850	17	.000856	.001513	19	.001937	.003686
18	.003032	.005882	18	.001745	.003258	20	.003625	.007311
19	.005521	.011403	19	.003327	.006586	21	.006376	.013686
20	.009425	.020828	20	.005950	.012536	22	.010563	.024249
21	.015123	.035951	21	.010000	.022536	23	.016513	.040762
22	.022854	.058804	22	.015829	.038365	24	.024399	.065161
23	.032588	.091393	23	.023643	.062008	25	.034130	.099291
24	.043923	.135316	24	.033378	.095386	26	.045258	.144549
25	.056044	.191360	25	.044609	.139995	27	.046967	.201516
26	.067790	.259150	26	.056518	.196514	28	.068141	.269657
27	.077833	.336982	27	.067969	.264483	29	.077540	.347198
28	.084923	.421905	28	.077679	.342162	30	.084021	.431219
29	.088148	.510054	29	.084455	.426617	31	.086772	.517991
30	.087126	.597180	30	.087435	.514052	32	.085477	.603468
31	.082076	.679256	31	.086274	.600326	33	.080374	.683842
32	.073749	.753005	32	.081199	.681525	34	.072188	.756030
33	.063255	.816260	33	.072949	.754474	35	.061968	.817998
34	.051823	.868083	34	.062600	.817074	36	.050869	.868867
35	.040578	.908661	35	.051342	.868416	37	.039953	.908820
36	.030385	.939046	36	.040268	.908685	38	.030035	.938855
37	.021768	.960814	37	.030217	.938902	39	.021621	.960476
38	.014927	.975741	38	.021704	.960606	40	.014909	.975385
39	.009802	.985543	39	.014928	.975534	41	.009851	.985235
40	.006165	.991708	40	.009835	.985369	42	.006238	.991473
41	.003716	.995424	41	.006208	.991577	43	.003787	.995260
42	.002146	.997570	42	.003756	.995333	44	.002204	.997465
43	.001189	.998759	43	.002179	.997512			
44	.000631	.999390	44	.001212	.998724	45	.001230	.998695
45	.000321	.999711	45	.000646	.999370	46	.000659	.999354
46	.000157	.999868	46	.000331	.999701	47	.000338	.999692
47	.000073	.999911	47	.000162	.999863	48	.000167	.999859
48	.000033	.999974	48	.000076	.999939	49	.000079	.999938
49	.000014	.999989	49	.000034	.999974	50	.000036	.999973
50	.000006	.999994	50	.000015	.999989	51	.000016	.999989
51	.000002	.999997	51	.000006	.999995	52	.000006	.999995
52	.000001	.999998	52	.000002	.999997	53	.000003	.999998
53	.000000	.999998	53	.000001	.999998	54	.000001	.999999
			54	.000000	.999998	55	.000000	.999999

50-100 BINOMIAL TABLES

n=

95

p=.34

p=.35

p=.36

x	Individual Term	Cumulative (x or less)
11	.000000	.000001
12	.000001	.000002
13	.000002	.000003
14	.000006	.000009
15	.000014	.000020
16	.000038	.000058
17	.000098	.000156
18	.000234	.000389
19	.000522	.000911
20	.001089	.002000
21	.002132	.004132
22	.003922	.008054
23	.006796	.014850
24	.011112	.025962
25	.017173	.043134
26	.025124	.068259
27	.034846	.103105
28	.045875	.148980
29	.057394	.206374
30	.068309	.274682
31	.077416	.352099
32	.083622	.435720
33	.086156	.521876
34	.084732	.606607
35	.079596	.686204
36	.071464	.757668
37	.061358	.819026
38	.050403	.869130
39	.039631	.909061
40	.029839	.938900
41	.021520	.960420
42	.014872	.975292
43	.009850	.985142
44	.006254	.991396
45	.003808	.995204
46	.002223	.997427
47	.001245	.998672
48	.000669	.999340
49	.000170	.999855
50	.000081	.999936
51	.000037	.999972
52	.000016	.999988
53	.000007	.999995
54	.000003	.999998
55	.000001	.999999
56	.000000	.999999

x	Individual Term	Cumulative (x or less)
12	.000001	.000001
13	.000002	.000003
14	.000006	.000009
15	.000017	.000026
16	.000046	.000072
17	.000116	.000189
18	.000271	.000460
19	.000592	.001052
20	.001211	.002263
21	.002329	.004592
22	.004219	.008811
23	.007210	.016021
24	.011647	.027668
25	.017811	.045479
26	.025820	.071299
27	.035531	.106830
28	.046463	.153293
29	.057802	.211095
30	.068473	.279568
31	.077308	.356876
32	.083255	.440131
33	.085584	.525714
34	.084035	.609749
35	.078863	.688612
36	.070775	.759387
37	.060769	.821056
38	.049944	.870100
39	.039305	.909405
40	.029630	.939035
41	.021402	.960437
42	.014817	.975254
43	.009834	.985088
44	.006258	.991346
45	.003819	.995165
46	.002235	.997400
47	.001255	.998655
48	.000676	.999330
49	.000349	.999679
50	.000173	.999852
51	.000082	.999934
52	.000037	.999972
53	.000016	.999988
54	.000007	.999995
55	.000003	.999998
56	.000001	.999999
57	.000000	.999999

x	Individual Term	Cumulative (x or less)
12	.000000	.000000
13	.000001	.000001
14	.000003	.000004
15	.000008	.000011
16	.000021	.000033
17	.000056	.000089
18	.000137	.000225
19	.000311	.000536
20	.000665	.001201
21	.001336	.002538
22	.002528	.005066
23	.004514	.009579
24	.007617	.017196
25	.012168	.029364
26	.018427	.047791
27	.026489	.074280
28	.036186	.110465
29	.047026	.157491
30	.058194	.215686
31	.068637	.284322
32	.077216	.361538
33	.082920	.444458
34	.085053	.529511
35	.083383	.612894
36	.078171	.691065
37	.070117	.761182
38	.060199	.821381
39	.049490	.870871
40	.038974	.909845
41	.029408	.939253
42	.021269	.960522
43	.014746	.975268
44	.009803	.985070
45	.006249	.991319
46	.003821	.995140
47	.002241	.997381
48	.001260	.998641
49	.000680	.999321
50	.000352	.999673
51	.000175	.999848
52	.000083	.999931
53	.000038	.999969
54	.000017	.999985
55	.000007	.999992
56	.000003	.999995
57	.000001	.999996
58	.000000	.999997

p=.37			p=.38			p=.39		
x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
14	.000001	.000001	14	.000000	.000001	15	.000001	.000001
15	.000003	.000005	15	.000001	.000002	16	.000002	.000002
16	.000010	.000014	16	.000004	.000006	17	.000005	.000008
17	.000026	.000040	17	.000012	.000018	18	.000014	.000022
18	.000066	.000107	18	.000031	.000049	19	.000037	.000059
19	.000158	.000265	19	.000078	.000127	20	.000090	.000149
20	.000353	.000618	20	.000181	.000308	21	.000206	.000355
21	.000741	.001359	21	.000397	.000705	22	.000442	.000797
22	.001463	.002822	22	.000818	.001523	23	.000897	.001694
23	.002728	.005550	23	.001592	.003115	24	.001721	.003414
24	.004806	.010355	24	.002926	.006041	25	.003124	.006539
25	.008015	.018371	25	.005094	.011135	26	.013643	.034347
26	.012674	.031045	26	.008406	.019541	27	.020152	.054499
27	.019022	.050067	27	.013166	.032707	28	.028346	.082845
28	.027131	.077199	28	.019597	.052304	29	.037999	.120843
29	.036814	.114012	29	.027750	.080054	30	.048589	.169432
30	.047566	.161578	30	.037418	.117472	31	.059306	.228738
31	.058574	.220153	31	.048086	.165558	32	.069142	.297880
32	.068802	.288954	32	.058944	.224502	33	.077044	.374925
33	.077141	.366096	33	.068970	.293472	34	.082096	.457021
34	.082615	.448711	34	.077084	.370556	35	.083697	.540718
35	.084564	.533275	35	.082341	.452897	36	.081675	.622393
36	.082774	.616048	36	.084112	.537010	37	.076319	.698712
37	.077518	.693567	37	.082206	.619215	38	.068312	.767024
38	.069488	.763055	38	.076902	.696117	39	.058588	.825612
39	.059646	.822701	39	.068887	.765004	40	.048160	.873773
40	.049042	.871743	40	.059110	.824114	41	.037952	.911724
41	.038638	.910381	41	.048599	.872713	42	.028676	.940400
42	.029175	.939556	42	.038297	.911011	43	.020778	.961178
43	.021120	.960676	43	.028931	.939942	44	.014440	.975618
44	.014659	.975335	44	.020956	.960898	45	.009625	.985243
45	.009757	.985092	45	.014557	.975454	46	.006154	.991396
46	.006229	.991320	46	.009698	.985152	47	.003774	.995170
47	.003814	.995134	47	.006197	.991348	48	.002220	.997389
48	.002240	.997374	48	.003798	.995146	49	.001252	.998642
49	.001262	.998636	49	.002233	.997379	50	.000677	.999319
50	.000682	.999317	50	.001259	.998638	51	.000351	.999670
51	.000353	.999671	51	.000681	.999319	52	.000175	.999845
52	.000176	.999846	52	.000353	.999672	53	.000083	.999928
53	.000084	.999930	53	.000176	.999847	54	.000038	.999966
54	.000038	.999968	54	.000084	.999931	55	.000017	.999983
55	.000017	.999985	55	.000038	.999969	56	.000007	.999990
56	.000007	.999992	56	.000017	.999986	57	.000003	.999993
57	.000003	.999995	57	.000007	.999993	58	.000001	.999994
58	.000001	.999996	58	.000003	.999996	59	.000000	.999997
59	.000000	.999996	59	.000001	.999997	60	.000000	.999997
			60	.000000	.999997	61		

p=.40

x	Individual Term	Cumulative (x or less)
15	.000000	.000000
16	.000001	.000001
17	.000002	.000003
18	.000006	.000010
19	.000017	.000027
20	.000043	.000070
21	.000103	.000173
22	.000231	.000404
23	.000489	.000892
24	.000977	.001869
25	.001850	.003719
26	.003320	.007039
27	.005657	.012696
28	.009158	.021854
29	.014106	.035961
30	.020689	.056650
31	.028920	.085570
32	.038560	.124130
33	.049077	.173206
34	.059662	.232868
35	.069321	.302189
36	.077023	.379213
37	.081881	.461093
38	.083317	.544111
39	.081181	.625592
40	.075769	.701361
41	.067761	.769121
42	.058081	.827202
43	.047725	.874927
44	.037602	.912529
45	.028410	.940939
46	.020587	.961526
47	.014309	.975835
48	.009539	.985374
49	.006100	.991474
50	.003741	.995215
51	.002201	.997416
52	.001241	.998657
53	.000671	.999329
54	.000348	.999677
55	.000173	.999850
56	.000082	.999932
57	.000038	.999970
58	.000016	.999986
59	.000007	.999993
60	.000003	.999996
61	.000001	.999997
62	.000000	.999998

p=.41

x	Individual Term	Cumulative (x or less)
17	.000001	.000001
18	.000003	.000004
19	.000008	.000012
20	.000020	.000032
21	.000050	.000082
22	.000117	.000198
23	.000257	.000455
24	.000536	.000991
25	.001058	.002048
26	.001979	.004027
27	.003514	.007541
28	.005930	.013470
29	.009520	.022991
30	.014555	.037546
31	.021207	.058753
32	.029475	.088228
33	.039103	.127331
34	.049551	.176882
35	.060013	.236895
36	.069507	.306402
37	.077021	.383424
38	.081693	.465117
39	.082971	.548088
40	.080721	.628810
41	.075249	.704058
42	.067232	.771290
43	.057586	.828876
44	.047293	.876168
45	.037247	.913415
46	.028134	.941549
47	.020383	.961931
48	.014164	.976076
49	.009441	.985537
50	.006036	.991573
51	.003701	.995274
52	.002176	.997450
53	.001227	.998677
54	.000663	.999340
55	.000344	.999684
56	.000171	.999854
57	.000081	.999935
58	.000037	.999972
59	.000016	.999988
60	.000007	.999995
61	.000003	.999998
62	.000001	.999999
63	.000000	.999999

p=.42

x	Individual Term	Cumulative (x or less)
17	.000000	.000001
18	.000001	.000002
19	.000003	.000005
20	.000009	.000014
21	.000023	.000037
22	.000057	.000094
23	.000131	.000225
24	.000284	.000509
25	.000584	.001092
26	.001138	.002231
27	.002106	.004337
28	.003704	.008041
29	.006197	.014237
30	.009872	.024109
31	.014989	.039099
32	.021709	.060807
33	.030011	.090818
34	.039629	.130447
35	.050014	.180461
36	.060362	.240823
37	.069701	.310524
38	.077038	.387562
39	.081533	.469095
40	.082658	.551752
41	.080294	.632046
42	.074756	.706803
43	.066723	.773526
44	.057102	.830628
45	.046863	.877490
46	.036886	.914376
47	.027847	.942224
48	.020165	.962389
49	.014006	.976395
50	.009333	.985726
51	.005962	.991688
52	.003653	.995342
53	.002146	.997488
54	.001209	.999697
55	.000653	.999349
56	.000338	.999687
57	.000167	.999854
58	.000079	.999933
59	.000036	.999969
60	.000016	.999985
61	.000007	.999991
62	.000003	.999994
63	.000001	.999995
64	.000000	.999995

n=

95

## 50-100 BINOMIAL TABLES

p=.43

x	Individual Term	Cumulative (x or less)
18	.000000	.000001
19	.000001	.000002
20	.000004	.000006
21	.000011	.000016
22	.000027	.000043
23	.000064	.000107
24	.000145	.000253
25	.000311	.000564
26	.000632	.001196
27	.001218	.002414
28	.002232	.004647
29	.003891	.008537
30	.006457	.014994
31	.010213	.025208
32	.015410	.040617
33	.022193	.062810
34	.030530	.093340
35	.040140	.133480
36	.050469	.183949
37	.060711	.244660
38	.069904	.314564
39	.077074	.391638
40	.081401	.473038
41	.082376	.555414
42	.079898	.635313
43	.074292	.709604
44	.066234	.775839
45	.056628	.832467
46	.046434	.878902
47	.036520	.915422
48	.027550	.942972
49	.019935	.962907
50	.013836	.976743
51	.009210	.985953
52	.005879	.991832
53	.003598	.995430
54	.002111	.997541
55	.001187	.998728
56	.000640	.999368
57	.000330	.999698
58	.000163	.999861
59	.000077	.999938
60	.000035	.999973
61	.000015	.999988
62	.000006	.999995
63	.000002	.999997
64	.000001	.999998
65	.000000	.999998

p=.44

x	Individual Term	Cumulative (x or less)
18	.000000	.000000
19	.000001	.000001
20	.000002	.000002
21	.000005	.000007
22	.000012	.000019
23	.000030	.000050
24	.000072	.000121
25	.000160	.000282
26	.000339	.000620
27	.000680	.001301
28	.001298	.002599
29	.002356	.004955
30	.004073	.009028
31	.006710	.015738
32	.010544	.026282
33	.015817	.042099
34	.022662	.064761
35	.031033	.095793
36	.040638	.136431
37	.050915	.187346
38	.061060	.248406
39	.070118	.318524
40	.077130	.395653
41	.081295	.476949
42	.082125	.559073
43	.079533	.638606
44	.073852	.712458
45	.065763	.778221
46	.056164	.831386
47	.046007	.880393
48	.036148	.916541
49	.027243	.943784
50	.019693	.963477
51	.013653	.977129
52	.009097	.986206
53	.005786	.991992
54	.003536	.995528
55	.002071	.997599
56	.001162	.998762
57	.000625	.999386
58	.000322	.999708
59	.000158	.999867
60	.000075	.999941
61	.000034	.999975
62	.000015	.999990
63	.000006	.999996
64	.000002	.999998
65	.000001	.999999
66	.000000	.999999

p=.45

x	Individual Term	Cumulative (x or less)
20	.000001	.000001
21	.000002	.000003
22	.000005	.000008
23	.000014	.000022
24	.000034	.000056
25	.000080	.000136
26	.000175	.000311
27	.000366	.000678
28	.000728	.001406
29	.001377	.002783
30	.002478	.005260
31	.004251	.009511
32	.006956	.016467
33	.010865	.027331
34	.016210	.043541
35	.023115	.066656
36	.031520	.098176
37	.041123	.139300
38	.051355	.190655
39	.061411	.252066
40	.070343	.322409
41	.077206	.399615
42	.081217	.480831
43	.081903	.562735
44	.079196	.641931
45	.073436	.715367
46	.065309	.780676
47	.055708	.836384
48	.045580	.881964
49	.035770	.917734
50	.026925	.944659
51	.019438	.964097
52	.013457	.977554
53	.008933	.986487
54	.005685	.992172
55	.003467	.995639
56	.002026	.997665
57	.001134	.998799
58	.000608	.999407
59	.000312	.999719
60	.000153	.999872
61	.000072	.999944
62	.000032	.999977
63	.000014	.999990
64	.000006	.999996
65	.000002	.999998
66	.000001	.999999
67	.000000	.999999
68	.000000	1.000000

## 50-100 BINOMIAL TABLES

p=.46

p=.47

p=.48

n=95

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
20	.000000	.000000	22	.000001	.000001	22	.000000	.000001
21	.000001	.000001	23	.000003	.000004	23	.000001	.000002
22	.000002	.000003	24	.000007	.000011	24	.000003	.000005
23	.000006	.000010	25	.000018	.000029	25	.000008	.000013
24	.000016	.000025	26	.000042	.000071	26	.000020	.000032
25	.000038	.000064	27	.000096	.000166	27	.000046	.000078
26	.000088	.000151	28	.000206	.000372	28	.000104	.000182
27	.000191	.000342	29	.000421	.000793	29	.000221	.000403
28	.000394	.000736	30	.000822	.001616	30	.000448	.000851
29	.000776	.001511	31	.001529	.003144	31	.000868	.001718
30	.001454	.002965	32	.002711	.005856	32	.001602	.003320
31	.002596	.005561	33	.004590	.010466	33	.002823	.006143
32	.004423	.009984	34	.007423	.017869	34	.004752	.010895
33	.007193	.017178	35	.011473	.029342	35	.007644	.018539
34	.011174	.028352	36	.016957	.046299	36	.011760	.030299
35	.016590	.044942	37	.023978	.070277	37	.017311	.047610
36	.023553	.068195	38	.032455	.102731	38	.024389	.071999
37	.031994	.100489	39	.042064	.144795	39	.032903	.104903
38	.041598	.142087	40	.052223	.197018	40	.042521	.147424
39	.051790	.193878	41	.062124	.259142	41	.052653	.200077
40	.061765	.255643	42	.070831	.329973	42	.062489	.262566
41	.070581	.326224	43	.077420	.407394	43	.071097	.333663
42	.077303	.403526	44	.081139	.488532	44	.077560	.411224
43	.081164	.484690	45	.081547	.570079	45	.081140	.492364
44	.081711	.566001	46	.078603	.648683	46	.081111	.573775
45	.078886	.645288	47	.072671	.721354	47	.078347	.652122
46	.073043	.718330	48	.064444	.785798	48	.072320	.724442
47	.064869	.783200	49	.054816	.840614	49	.064032	.788475
48	.055259	.838459	50	.044722	.885335	50	.054378	.842853
49	.045151	.883610	51	.034993	.920328	51	.044290	.887143
50	.035385	.918995	52	.026257	.946586	52	.034593	.921736
51	.026597	.945592	53	.018892	.965477	53	.025907	.947643
52	.019171	.964763	54	.013030	.978507	54	.018600	.966243
53	.013249	.978013	55	.008614	.987121	55	.012799	.979042
54	.008778	.986791	56	.005456	.992577	56	.008439	.987481
55	.005574	.992365	57	.003311	.995887	57	.005330	.992810
56	.003392	.995757	58	.001924	.997811	58	.003223	.996034
57	.001977	.997734	59	.001070	.998881	59	.001866	.997900
58	.001103	.998838	60	.000569	.999450	60	.001033	.998933
59	.000589	.999427	61	.000290	.999740	61	.000547	.999480
60	.000301	.999728	62	.000141	.999881	62	.000277	.999758
61	.000147	.999875	63	.000065	.999946	63	.000134	.999892
62	.000069	.999944	64	.000029	.999975	64	.000061	.999953
63	.000031	.999975	65	.000012	.999987	65	.000027	.999981
64	.000013	.999988	66	.000005	.999992	66	.000011	.999992
65	.000005	.999993	67	.000002	.999994	67	.000005	.999997
66	.000002	.999995	68	.000001	.999995	68	.000002	.999998
67	.000001	.999996	69	.000000	.999995	69	.000001	.999999
68	.000000	.999997	70	.000000	.999999			

n=

95

## 50-100 BINOMIAL TABLES

p=.49

p=.50

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
23	.000000	.000001	24	.000000	.000001
24	.000001	.000002	25	.000001	.000002
25	.000003	.000005	26	.000004	.000006
26	.000008	.000013	27	.000010	.000015
27	.000022	.000035	28	.000023	.000039
28	.000050	.000085	29	.000054	.000093
29	.000111	.000197	30	.000119	.000212
30	.000236	.000432	31	.000250	.000462
31	.000474	.000907	32	.000500	.000962
32	.000912	.001819	33	.000954	.001916
33	.001672	.003491	34	.001740	.003656
34	.002930	.006421	35	.003032	.006689
35	.004906	.011328	36	.005054	.011744
36	.007857	.019184	37	.008060	.019804
37	.012037	.031221	38	.012302	.032106
38	.017652	.048873	39	.017980	.050086
39	.024787	.073660	40	.025172	.075259
40	.033341	.107001	41	.033768	.109127
41	.042972	.149973	42	.043416	.152442
42	.053083	.203055	43	.053512	.205955
43	.062862	.265917	44	.063242	.269197
44	.071378	.337294	45	.071674	.340871
45	.077722	.415017	46	.077907	.418778
46	.081168	.496184	47	.081222	.500000
47	.081303	.577488	48	.081222	.581222
48	.078115	.655602	49	.077907	.659128
49	.071988	.727591	50	.071674	.730803
50	.063632	.791222	51	.063242	.794045
51	.053944	.845166	52	.053512	.847557
52	.043855	.889021	53	.043416	.890973
53	.034185	.923206	54	.033768	.924741
54	.025546	.948752	55	.025172	.949913
55	.018296	.967049	56	.017980	.967893
56	.012556	.979605	57	.012302	.980195
57	.008255	.987860	58	.008060	.988256
58	.005196	.993056	59	.005055	.993310
59	.003131	.996187	60	.003033	.996343
60	.001805	.997992	61	.001740	.998033
61	.000995	.998986	62	.000954	.999037
62	.000524	.999511	63	.000500	.999537
63	.000264	.999775	64	.000250	.999787
64	.000127	.999901	65	.000119	.999906
65	.000058	.999959	66	.000054	.999961
66	.000025	.999985	67	.000023	.999984
67	.000011	.999995	68	.000010	.999994
68	.000004	.999999	69	.000004	.999997
69	.000002	1.000001	70	.000001	.999999
70	.000001	1.000001	71	.000000	.999999
71	.000000	1.000002			

50-100 BINOMIAL TABLES

**n=**  
**100**

**p=.01**

x	Individual Term	Cumulative (x or less)
0	.366032	.366032
1	.369730	.735762
2	.184865	.920627
3	.060999	.981626
4	.014942	.996568
5	.002898	.999465
6	.000163	.999929
7	.000063	.999992
8	.000007	.999999
9	.000001	1.000000
10	.000000	1.000001

**p=.02**

x	Individual Term	Cumulative (x or less)
0	.132620	.132620
1	.270652	.403272
2	.273414	.676686
3	.182276	.858962
4	.090208	.949170
5	.035347	.984516
6	.011422	.995938
7	.003130	.999068
8	.000743	.999811
9	.000155	.999966
10	.000029	.999994
11	.000005	.999999
12	.000001	1.000000
13	.000000	1.000001

**p=.03**

x	Individual Term	Cumulative (x or less)
0	.047553	.047553
1	.147070	.194622
2	.225153	.419775
3	.227474	.647249
4	.170606	.817855
5	.101308	.919163
6	.049610	.968772
7	.020604	.989376
8	.007408	.996784
9	.002342	.999126
10	.000659	.999785
11	.000167	.999952
12	.000038	.999990
13	.000008	.999998
14	.000002	.999999
15	.000000	1.000000

**p=.04**

x	Individual Term	Cumulative (x or less)
0	.016870	.016870
1	.070293	.087163
2	.144979	.232143
3	.197333	.429476
4	.199389	.628564
5	.155511	.788375
6	.109233	.893608
7	.056880	.952488
8	.028520	.981008
9	.012147	.993156
10	.004606	.997761
11	.001570	.999332
12	.000485	.999817
13	.000137	.999954
14	.000035	.999989

**p=.05**

x	Individual Term	Cumulative (x or less)
0	.005921	.005921
1	.031161	.037081
2	.081182	.118263
3	.139576	.257839
4	.178143	.435981
5	.180018	.615999
6	.150015	.766014
7	.106025	.872039
8	.064871	.936910
9	.034901	.971811
10	.016716	.988527
11	.007198	.995725
12	.002810	.998535
13	.001001	.999536
14	.000327	.999864
15	.000099	.999962
16	.000028	.999990
17	.000007	.999997
18	.000002	.999999
19	.000000	.999999

**p=.06**

x	Individual Term	Cumulative (x or less)
0	.002055	.002055
1	.013116	.015171
2	.041442	.056613
3	.086410	.143023
4	.133752	.276775
5	.163917	.440692
6	.165661	.606353
7	.141995	.748348
8	.105363	.853712
9	.068748	.922460
10	.039932	.962392
11	.020854	.983246
12	.009873	.993119
13	.004266	.997384
14	.001692	.999076
15	.000619	.999695
16	.000210	.999905
17	.000066	.999972
18	.000019	.999991
19	.000005	.999997
20	.000001	.999998
21	.000000	.999998

**n=**  
**00**

50-100 BINOMIAL TABLES

p=.07			p=.08			p=.09		
x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
0	.000705	.000705	0	.000239	.000239	0	.000080	.000080
1	.005308	.006013	1	.002080	.002319	1	.000793	.000873
2	.015776	.025789	2	.008553	.011273	2	.003883	.004756
3	.048624	.074412	3	.025433	.036706	3	.012544	.017301
4	.088752	.163164	4	.053631	.090337	4	.030086	.047387
5	.128261	.291425	5	.089540	.179877	5	.057130	.104517
6	.152855	.444280	6	.123280	.303156	6	.089463	.193980
7	.154499	.598779	7	.143954	.447110	7	.118815	.312795
8	.135187	.733966	8	.145518	.592628	8	.136605	.449400
9	.104014	.837980	9	.129350	.721978	9	.138106	.387506
10	.071244	.909224	10	.102355	.824333	10	.124295	.711801
11	.043875	.953099	11	.072822	.897155	11	.100579	.812379
12	.024493	.977592	12	.046965	.944119	12	.073776	.886156
13	.012479	.990071	13	.027645	.971764	13	.049392	.935547
14	.005837	.995908	14	.014939	.986703	14	.030356	.965904
15	.002519	.998427	15	.007448	.994150	15	.017213	.983117
16	.001007	.999435	16	.003440	.997591	16	.009044	.992161
17	.000375	.999809	17	.001478	.999069	17	.004420	.996580
18	.000130	.999939	18	.000553	.999662	18	.002016	.998596
19	.000042	.999981	19	.000222	.999884	19	.000860	.999456
20	.000013	.999994	20	.000078	.999962	20	.000345	.999801
21	.000004	.999998	21	.000026	.999988	21	.000130	.999931
22	.000001	.999999	22	.000008	.999996	22	.000046	.999977
23	.000000	.999999	23	.000002	.999999	23	.000015	.999992
			24	.000001	1.000000	24	.000005	.999997
			25	.000000	1.000000	25	.000001	.999999
						26	.000000	.999999

## 50-100 BINOMIAL TABLES

n=

100

p=.10

p=.11

p=.12

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
0	.000027	.000027	0	.000009	.000009	0	.000003	.000003
1	.000295	.000322	1	.000107	.000116	1	.000038	.000041
2	.001623	.001945	2	.000657	.000773	2	.000258	.000295
3	.005892	.007836	3	.002653	.003426	3	.001151	.001450
4	.015875	.023711	4	.007951	.011377	4	.003806	.005257
5	.033866	.057577	5	.018669	.030246	5	.009665	.015222
6	.059579	.117156	6	.036924	.067170	6	.021516	.036737
7	.088895	.206051	7	.061284	.128454	7	.039399	.076136
8	.114823	.320874	8	.088052	.216506	8	.062456	.138592
9	.130416	.451290	9	.111247	.327753	9	.087060	.225651
10	.131865	.553155	10	.125122	.452874	10	.108033	.333685
11	.119877	.703032	11	.126527	.579402	11	.120533	.454217
12	.098788	.801820	12	.115983	.695385	12	.121902	.576120
13	.074502	.876122	13	.097037	.792422	13	.112525	.658645
14	.051304	.927425	14	.074530	.866952	14	.095354	.783999
15	.032682	.960108	15	.052813	.919765	15	.074550	.858549
16	.019292	.979399	16	.034677	.954442	16	.054006	.912555
17	.010592	.989991	17	.021178	.975620	17	.036389	.948944
18	.005427	.995417	18	.012069	.987689	18	.022881	.971825
19	.002602	.998020	19	.006438	.994127	19	.013466	.955291
20	.001171	.999191	20	.003223	.997350	20	.007437	.992728
21	.000496	.999686	21	.001517	.998867	21	.003863	.996591
22	.000198	.999884	22	.000673	.999540	22	.001892	.998483
23	.000075	.999959	23	.000282	.999823	23	.000875	.999358
24	.000027	.999985	24	.000112	.999934	24	.000383	.999740
25	.000009	.999994	25	.000042	.999977	25	.000159	.999899
26	.000003	.999997	26	.000015	.999992	26	.000062	.999962
27	.000001	.999998	27	.000005	.999997	27	.000023	.999985
28	.000000	.999998	28	.000002	.999998	28	.000008	.999993
			29	.000001	.999999	29	.000003	.999996
			30	.000000	.999999	30	.000001	.999997
						31	.000000	.999997

**n=**  
**100**

50-100 BINOMIAL TABLES

p=.13			p=.14			p=.15		
x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
0	.000001	.000001	0	.000000	.000000	1	.000002	.000002
1	.000013	.000014	1	.000005	.000005	2	.000013	.000015
2	.000099	.000113	2	.000037	.000042	3	.000078	.000093
3	.000483	.000596	3	.000197	.000238	4	.000333	.000426
4	.001750	.002346	4	.000776	.001014	5	.001127	.001553
5	.005021	.007367	5	.002425	.003439	6	.003149	.004702
6	.011879	.019246	6	.006251	.009690	7	.007463	.012165
7	.023835	.043081	7	.013664	.023354	8	.015310	.027476
8	.041403	.084484	8	.025858	.049212	9	.027619	.055095
9	.063242	.147726	9	.043030	.092242	10	.044353	.099447
10	.089994	.233720	10	.063745	.155987	11	.064039	.163486
11	.105134	.338854	11	.084903	.240890	12	.083815	.247301
12	.116514	.455368	12	.102509	.343399	13	.100123	.347425
13	.117853	.573221	13	.112962	.456361	14	.109799	.457224
14	.109435	.682656	14	.114275	.570636	15	.111091	.568314
15	.093753	.776409	15	.106657	.677293	16	.104148	.672462
16	.074423	.850832	16	.092240	.769533	17	.090814	.763276
17	.054949	.905782	17	.074195	.843728	18	.073898	.837173
18	.037861	.943643	18	.055694	.899423	19	.056281	.893454
19	.024416	.968059	19	.039129	.938552	20	.042224	.933679
20	.014776	.982835	20	.025798	.964350	21	.027042	.960720
21	.008411	.991246	21	.015999	.980349	22	.017136	.977836
22	.004513	.995759	22	.009352	.989701	23	.010255	.988112
23	.002287	.998046	23	.005163	.994864	24	.005806	.993918
24	.001096	.999143	24	.002697	.997561	25	.003115	.997033
25	.000498	.999641	25	.001335	.998895	26	.001586	.998619
26	.000215	.999855	26	.000627	.999522	27	.000767	.999385
27	.000088	.999943	27	.000280	.999802	28	.000353	.999738
28	.000034	.999978	28	.000119	.999920	29	.000155	.999893
29	.000013	.999990	29	.000048	.999968	30	.000065	.999957
30	.000004	.999995	30	.000018	.999987	31	.000026	.999983
31	.000002	.999996	31	.000007	.999994	32	.000010	.999993
32	.000000	.999997	32	.000002	.999996	33	.000004	.999997
			33	.000001	.999997	34	.000001	.999998
			34	.000000	.999997	35	.000000	.999998

## 50-100 BINOMIAL TABLES

n=

100

p=.16

p=.17

p=.18

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
1	.000001	.000001	2	.000002	.000002	2	.000001	.000001
2	.000005	.000005	3	.000011	.000013	3	.000004	.000005
3	.000030	.000035	4	.000056	.000069	4	.000022	.000027
4	.000138	.000174	5	.000219	.000288	5	.000092	.000119
5	.000506	.000679	6	.000712	.001000	6	.000321	.000440
6	.001525	.002204	7	.001958	.002958	7	.000946	.001386
7	.003901	.006105	8	.004661	.007619	8	.002414	.003800
8	.008637	.014742	9	.009759	.017378	9	.005417	.009217
9	.016817	.031559	10	.018190	.035568	10	.010821	.020039
10	.029150	.060709	11	.030482	.066049	11	.019435	.039474
11	.045429	.106138	12	.046304	.112354	12	.031641	.071115
12	.064177	.170315	13	.064199	.176553	13	.047016	.118131
13	.082748	.253064	14	.081713	.258267	14	.064136	.182267
14	.097947	.351011	15	.095556	.354223	15	.080717	.262984
15	.106964	.457975	16	.104410	.458632	16	.094129	.357113
16	.108238	.566213	17	.105668	.564300	17	.102097	.459209
17	.101871	.668084	18	.099797	.664097	18	.103342	.562551
18	.089474	.757558	19	.088216	.752314	19	.097903	.660453
19	.073552	.831110	20	.073177	.825491	20	.087038	.747491
20	.056740	.887851	21	.057097	.882589	21	.072784	.820275
21	.041172	.929023	22	.041994	.924583	22	.057372	.877647
22	.028161	.957184	23	.029170	.953753	23	.042710	.920357
23	.018191	.975375	24	.019168	.972921	24	.030079	.950436
24	.011117	.986492	25	.011935	.984856	25	.020072	.970508
25	.006437	.992929	26	.007052	.991907	26	.012710	.983218
26	.003537	.996466	27	.003958	.995866	27	.007647	.990865
27	.001846	.998312	28	.002114	.997979	28	.004376	.995241
28	.000917	.999229	29	.001075	.999054	29	.002385	.997626
29	.000434	.999663	30	.000521	.999575	30	.001239	.998865
30	.000195	.999858	31	.000241	.999816	31	.000614	.999479
31	.000084	.999942	32	.000106	.999923	32	.000291	.999770
32	.000035	.999977	33	.000045	.999968	33	.000131	.999901
33	.000014	.999990	34	.000018	.999986	34	.000057	.999958
34	.000005	.999996	35	.000007	.999993	35	.000024	.999982
35	.000002	.999997	36	.000003	.999995	36	.000009	.999991
36	.000001	.999998	37	.000001	.999996	37	.000004	.999994
37	.000000	.999998	38	.000000	.999997	38	.000001	.999996
						39	.000000	.999996

n=

100

## 50-100 BINOMIAL TABLES

p=.19

x	Individual Term	Cumulative (x or less)
3	.000001	.000002
4	.000008	.000010
5	.000038	.000048
6	.000140	.000188
7	.000441	.000629
8	.001203	.001832
9	.002885	.004718
10	.006159	.010876
11	.011820	.022696
12	.020563	.043259
13	.032651	.075910
14	.047594	.123504
15	.064007	.187512
16	.079762	.267274
17	.092448	.359722
18	.099993	.459715
19	.101228	.560943
20	.096166	.657109
21	.089934	.743043
22	.072383	.815426
23	.057580	.873006
24	.043333	.916339
25	.030900	.947239
26	.020908	.968147
27	.013442	.981589
28	.008220	.989809
29	.004787	.994596
30	.002658	.997254
31	.001408	.998662
32	.000712	.999374
33	.000344	.999718
34	.000159	.999877
35	.000070	.999947
36	.000030	.999977
37	.000012	.999989
38	.000005	.999994
39	.000002	.999996
40	.000001	.999996
41	.000000	.999996
42	.000000	.999997

p=.20

x	Individual Term	Cumulative (x or less)
3	.000001	.000001
4	.000003	.000004
5	.000015	.000019
6	.000059	.000078
7	.000199	.000277
8	.000578	.000855
9	.001478	.002334
10	.003363	.005696
11	.006878	.012575
12	.012754	.023329
13	.021583	.046912
14	.033531	.080444
15	.048062	.128505
16	.063832	.192337
17	.078551	.271189
18	.090898	.362087
19	.098074	.460161
20	.099300	.559461
21	.094571	.654032
22	.084899	.738931
23	.071980	.810911
24	.057734	.868645
25	.043878	.912523
26	.031643	.944166
27	.021681	.965847
28	.014131	.979978
29	.008771	.988749
30	.005190	.993939
31	.002930	.996868
32	.001579	.998448
33	.000814	.999261
34	.000401	.999662
35	.000189	.999851
36	.000085	.999936
37	.000037	.999973
38	.000015	.999988
39	.000006	.999995
40	.000002	.999997
41	.000001	.999998
42	.000000	.999998

p=.21

x	Individual Term	Cumulative (x or less)
4	.000001	.000001
5	.000006	.000007
6	.000024	.000031
7	.000087	.000118
8	.000269	.000387
9	.000730	.001117
10	.001766	.002883
11	.003840	.006723
12	.007571	.014295
13	.013624	.027919
14	.022906	.050425
15	.034300	.084724
16	.048438	.133162
17	.063622	.196784
18	.077984	.274768
19	.089466	.364233
20	.096317	.460550
21	.097536	.558087
22	.093103	.651190
23	.083931	.735120
24	.071580	.806701
25	.057844	.864545
26	.044355	.908899
27	.032315	.941214
28	.022395	.963609
29	.014780	.978390
30	.009298	.987688
31	.005581	.993269
32	.003199	.996469
33	.001752	.998221
34	.000918	.999139
35	.000460	.999599
36	.000221	.999820
37	.000102	.999921
38	.000045	.999966
39	.000019	.999985
40	.000008	.999993
41	.000003	.999996
42	.000001	.999997
43	.000000	.999997

## 50-100 BINOMIAL TABLES

n=100

p=.22

p=.23

p=.24

x	Individual Term	Cumulative (x or less)
4	.000000	.000000
5	.000002	.000003
6	.000010	.000012
7	.000037	.000049
8	.000121	.000170
9	.000348	.000518
10	.000893	.001411
11	.002062	.003473
12	.004313	.007786
13	.008234	.016020
14	.014433	.030453
15	.023339	.053792
16	.034971	.088763
17	.048738	.137501
18	.063387	.200888
19	.077159	.278048
20	.088140	.366188
21	.094705	.460892
22	.095919	.556811
23	.091748	.648559
24	.083024	.731584
25	.071188	.802772
26	.057919	.860691
27	.044773	.905464
28	.032924	.938388
29	.023056	.961444
30	.015390	.976834
31	.009802	.986636
32	.005961	.992597
33	.003465	.996061
34	.001926	.997987
35	.001024	.999011
36	.000522	.999533
37	.000254	.999787
38	.000119	.999906
39	.000053	.999960
40	.000023	.999983
41	.000009	.999992
42	.000004	.999996
43	.000001	.999997
44	.000001	.999998
45	.000000	.999998

x	Individual Term	Cumulative (x or less)
5	.000001	.000001
6	.000004	.000005
7	.000015	.000020
8	.000053	.000072
9	.000160	.000233
10	.000436	.000669
11	.001066	.001735
12	.002362	.004097
13	.004776	.008573
14	.008865	.017738
15	.015182	.032920
16	.024092	.057012
17	.035558	.092570
18	.048975	.141545
19	.063135	.204680
20	.076377	.281057
21	.086911	.367968
22	.093221	.461189
23	.094432	.555621
24	.090497	.646118
25	.082176	.728294
26	.070806	.799100
27	.057966	.857066
28	.045142	.902207
29	.033477	.934684
30	.023666	.959350
31	.015962	.975513
32	.010281	.985594
33	.006328	.991922
34	.003725	.995646
35	.002098	.997744
36	.001132	.998876
37	.000585	.999460
38	.000290	.999750
39	.000137	.999887
40	.000063	.999950
41	.000027	.999977
42	.000011	.999989
43	.000005	.999994
44	.000002	.999995
45	.000001	.999996
46	.000000	.999996

x	Individual Term	Cumulative (x or less)
5	.000000	.000000
6	.000001	.000002
7	.000006	.000008
8	.000022	.000030
9	.000072	.000102
10	.000206	.000308
11	.000532	.000840
12	.001246	.002085
13	.002663	.004749
14	.005227	.009975
15	.009463	.019438
16	.015875	.035314
17	.024771	.060085
18	.036070	.096155
19	.049160	.145315
20	.062873	.208188
21	.075636	.283824
22	.085769	.369594
23	.091854	.461447
24	.093062	.554510
25	.089340	.643850
26	.081382	.725232
27	.070436	.795668
28	.057991	.853659
29	.045466	.899126
30	.033980	.933106
31	.024230	.957336
32	.016499	.973835
33	.010736	.984572
34	.006681	.991253
35	.003978	.995231
36	.002268	.997499
37	.001239	.998739
38	.000649	.999387
39	.000326	.999713
40	.000157	.999870
41	.000072	.999942
42	.000032	.999974
43	.000014	.999988
44	.000006	.999994
45	.000000	.999997
46	.000000	.999997
47	.000000	.999997

n=

100

## 50-100 BINOMIAL TABLES

p=.25

x	Individual Term	Cumulative (x or less)
6	.000001	.000001
7	.000002	.000003
8	.000009	.000012
9	.000031	.000043
10	.000094	.000137
11	.000256	.000394
12	.000634	.001027
13	.001430	.002458
14	.002963	.005421
15	.005662	.011083
16	.010027	.021111
17	.016516	.037626
18	.025385	.063011
19	.036519	.099530
20	.049301	.148831
21	.062604	.211435
22	.074935	.286370
23	.084709	.371079
24	.090592	.461670
25	.091799	.553470
26	.088265	.641738
27	.080640	.722379
28	.070080	.792459
29	.057998	.850457
30	.045754	.896210
31	.034438	.930649
32	.024752	.955401
33	.017002	.972403
34	.01168	.983571
35	.007020	.990550
36	.004225	.994815
37	.002436	.997251
38	.001346	.998557
39	.000713	.999311
40	.000363	.999673
41	.000177	.999850
42	.000083	.999933
43	.000037	.999970
44	.000016	.999986
45	.000007	.999993
46	.000003	.999996
47	.000001	.999997
48	.000000	.999997

p=.26

x	Individual Term	Cumulative (x or less)
6	.000000	.000000
7	.000001	.000001
8	.000004	.000005
9	.000013	.000018
10	.000042	.000059
11	.000120	.000179
12	.000311	.000490
13	.000741	.001231
14	.001618	.002849
15	.003258	.006107
16	.00682	.012189
17	.010559	.022748
18	.017106	.039854
19	.025939	.065793
20	.036911	.102704
21	.049405	.152109
22	.062332	.214441
23	.074271	.288712
24	.083723	.372435
25	.089425	.461860
26	.090633	.552493
27	.087276	.639769
28	.079547	.719716
29	.069740	.789456
30	.057991	.847446
31	.046008	.853455
32	.034856	.928310
33	.025236	.933546
34	.017472	.971018
35	.011576	.982395
36	.007344	.989938
37	.004463	.994402
38	.002600	.997001
39	.001452	.998453
40	.000778	.999232
41	.000400	.999632
42	.000197	.999829
43	.000094	.999923
44	.000043	.999965
45	.000019	.999984
46	.000008	.999992
47	.000003	.999995
48	.000001	.999996
49	.000000	.999997

p=.27

x	Individual Term	Cumulative (x or less)
8	.000001	.000002
9	.000005	.000007
10	.000018	.000025
11	.000054	.000079
12	.000148	.000227
13	.000370	.000557
14	.000851	.001449
15	.001806	.003254
16	.003548	.006802
17	.006484	.013285
18	.011058	.024343
19	.017651	.041993
20	.026440	.068433
21	.037253	.105686
22	.049478	.155164
23	.062061	.217225
24	.073644	.290869
25	.082804	.373673
26	.088345	.462018
27	.089555	.551573
28	.086337	.637930
29	.075300	.717230
30	.069414	.786644
31	.057973	.844617
32	.046235	.890852
33	.035237	.926089
34	.025683	.951772
35	.017913	.969684
36	.011962	.981647
37	.007653	.989299
38	.004693	.993399
39	.002759	.996751
40	.001556	.998308
41	.000842	.999150
42	.000438	.999588
43	.000218	.999806
44	.000105	.999911
45	.000048	.999955
46	.000021	.999980
47	.000009	.999989
48	.000004	.999993
49	.000001	.999995
50	.000001	.999995
51	.000000	.999995

## 50-100 BINOMIAL TABLES

n=100

p=.28

p=.29

p=.30

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
8	.000001	.000001	9	.000001	.000001	9	.000000	.000000
9	.000002	.000003	10	.000003	.000004	10	.000001	.000002
10	.000007	.000010	11	.000010	.000014	11	.000004	.000006
11	.000024	.000034	12	.000030	.000044	12	.000013	.000019
12	.000068	.000102	13	.000084	.000128	13	.000038	.000057
13	.000179	.000281	14	.000212	.000340	14	.000101	.000157
14	.000433	.000713	15	.000497	.000838	15	.000248	.000405
15	.000965	.001678	16	.001079	.001917	16	.000564	.000969
16	.001993	.003671	17	.002178	.004095	17	.001194	.002163
17	.003829	.007500	18	.004102	.008197	18	.002360	.004523
18	.006867	.014367	19	.007231	.015427	19	.004365	.008887
19	.011525	.025891	20	.011961	.027389	20	.007576	.016463
20	.018151	.044043	21	.018612	.046000	21	.012368	.028831
21	.026891	.070934	22	.027298	.073299	22	.019034	.047866
22	.037552	.108486	23	.037813	.111111	23	.027665	.075531
23	.049525	.158012	24	.049552	.160663	24	.038039	.113570
24	.061792	.219804	25	.061528	.222191	25	.049560	.163130
25	.073052	.292856	26	.072493	.294684	26	.061269	.224399
26	.081949	.374805	27	.081153	.375837	27	.071967	.296365
27	.087345	.462151	28	.086419	.462257	28	.080412	.376777
28	.088558	.550709	29	.087636	.549893	29	.085561	.462338
29	.088550	.636214	30	.084715	.634608	30	.086784	.549122
30	.078696	.714910	31	.078134	.712742	31	.083984	.633106
31	.069106	.784016	32	.068814	.781556	32	.077610	.710717
32	.057948	.841964	33	.057518	.839473	33	.068539	.779256
33	.046437	.888400	34	.046617	.886090	34	.057884	.837139
34	.035586	.923986	35	.035906	.921996	35	.046780	.883919
35	.026097	.950083	36	.026480	.948476	36	.036198	.920117
36	.018324	.968407	37	.018708	.967184	37	.026834	.946952
37	.012326	.980733	38	.012669	.979852	38	.019067	.966018
38	.007947	.988680	39	.008226	.988079	39	.012990	.979009
39	.004913	.993593	40	.005124	.993202	40	.008490	.987499
40	.002914	.996507	41	.003063	.996265	41	.005325	.992824
41	.001658	.998165	42	.001757	.998022	42	.003206	.996029
42	.000906	.999071	43	.000968	.998991	43	.001853	.997883
43	.000475	.999546	44	.000512	.999503	44	.001029	.998911
44	.000239	.999785	45	.000260	.999763	45	.000549	.999460
45	.000116	.999901	46	.000127	.999891	46	.000281	.999741
46	.000054	.999955	47	.000060	.999950	47	.000138	.999880
47	.000024	.999979	48	.000027	.999977	48	.000066	.999945
48	.000010	.999990	49	.000012	.999989	49	.000030	.999975
49	.000004	.999994	50	.000005	.999994	50	.000013	.999988
50	.000002	.999996	51	.000002	.999996	51	.000005	.999994
51	.000001	.999996	52	.000001	.999996	52	.000002	.999996
52	.000000	.999996	53	.000000	.999997	53	.000001	.999997
						54	.000000	.999997

n=

100

## 50-100 BINOMIAL TABLES

p=.31

p=.32

p=.33

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
10	.000000	.000001	10	.000000	.000000	12	.000001	.000001
11	.000002	.000002	11	.000001	.000001	13	.000003	.000004
12	.000005	.000008	12	.000002	.000003	14	.000009	.000013
13	.000017	.000024	13	.000007	.000010	15	.000025	.000038
14	.000046	.000071	14	.000021	.000031	16	.000065	.000103
15	.000119	.000190	15	.000055	.000086	17	.000159	.000262
16	.000285	.000474	16	.000139	.000225	18	.000361	.000624
17	.000632	.001106	17	.000323	.000547	19	.000768	.001392
18	.001308	.002414	18	.000700	.001247	20	.001533	.002925
19	.002537	.004951	19	.001422	.002669	21	.002876	.005800
20	.004616	.009568	20	.002709	.005378	22	.005086	.010886
21	.007901	.017469	21	.004857	.010235	23	.008495	.019381
22	.012747	.030216	22	.008208	.018443	24	.013424	.032806
23	.019422	.049638	23	.013099	.031542	25	.020100	.052906
24	.027995	.077633	24	.019776	.051318	26	.028558	.081464
25	.038236	.115869	25	.028292	.079610	27	.038551	.120015
26	.049553	.165422	26	.038405	.118016	28	.04504	.169519
27	.061017	.226439	27	.049534	.167550	29	.060536	.230056
28	.071471	.297910	28	.060773	.228322	30	.070565	.300621
29	.079721	.377631	29	.071004	.299326	31	.078481	.379102
30	.084766	.462357	30	.079079	.378405	32	.083350	.462452
31	.085995	.548392	31	.084031	.462436	33	.084594	.547046
32	.083308	.631700	32	.085267	.547702	34	.082106	.629152
33	.077125	.708825	33	.082683	.630385	35	.076259	.705411
34	.068281	.777106	34	.076675	.707060	36	.067817	.773228
35	.057848	.834954	35	.068041	.775100	37	.057777	.831005
36	.046926	.881880	36	.057812	.832913	38	.047179	.878184
37	.036467	.918347	37	.047059	.879971	39	.036942	.915126
38	.027163	.945510	38	.036715	.916686	40	.027748	.942874
39	.019401	.964910	39	.027467	.944153	41	.020000	.962874
40	.013292	.978203	40	.019711	.963864	42	.013838	.976712
41	.008739	.986542	41	.013575	.977439	43	.009193	.985906
42	.005516	.992457	42	.008974	.986412	44	.005866	.991772
43	.003342	.995800	43	.005696	.992108	45	.003595	.995367
44	.001945	.997745	44	.003472	.995581	46	.002117	.997484
45	.001088	.998833	45	.002034	.997614	47	.001198	.998683
46	.000584	.999417	46	.001144	.998758	48	.000652	.999334
47	.000302	.999719	47	.000619	.999377	49	.000341	.999675
48	.000150	.999868	48	.000321	.999698	50	.000171	.999846
49	.000071	.999940	49	.000161	.999859	51	.000083	.999928
50	.000033	.999972	50	.000077	.999936	52	.000038	.999967
51	.000014	.999987	51	.000036	.999972	53	.000017	.999984
52	.000006	.999993	52	.000016	.999987	54	.000007	.999991
53	.000002	.999995	53	.000007	.999994	55	.000003	.999994
54	.000001	.999996	54	.000003	.999997	56	.000001	.999995
55	.000000	.999997	55	.000001	.999998	57	.000000	.999996
			56	.000000	.999998			

## 50-100 BINOMIAL TABLES

n=  
100

p=.34

p=.35

p=.36

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
12	.000000	.000000	13	.000000	.000001	13	.000000	.000000
13	.000001	.000002	14	.000001	.000002	14	.000001	.000001
14	.000004	.000005	15	.000005	.000007	15	.000002	.000003
15	.000011	.000016	16	.000013	.000020	16	.000006	.000008
16	.000030	.000046	17	.000035	.000055	17	.000016	.000024
17	.000076	.000122	18	.000087	.000142	18	.000040	.000064
18	.000180	.000302	19	.000202	.000343	19	.000098	.000163
19	.000401	.000703	20	.000440	.000784	20	.000224	.000386
20	.000836	.001539	21	.000903	.001686	21	.000479	.000865
21	.001641	.003180	22	.001746	.003432	22	.000968	.001834
22	.003035	.006215	23	.003188	.006620	23	.001847	.003680
23	.005303	.011518	24	.005507	.012127	24	.003333	.007013
24	.008764	.020282	25	.009015	.021142	25	.005699	.012712
25	.013725	.034007	26	.014002	.035144	26	.009247	.021960
26	.020396	.054402	27	.020654	.055807	27	.014256	.036216
27	.028796	.083199	28	.029009	.084816	28	.020907	.057123
28	.038676	.121874	29	.038781	.123598	29	.029198	.086321
29	.049466	.171341	30	.049421	.173019	30	.038870	.125190
30	.060309	.231649	31	.060090	.233109	31	.049371	.174561
31	.070154	.301803	32	.069768	.302877	32	.059881	.234442
32	.077927	.379730	33	.077412	.380289	33	.069408	.303850
33	.082721	.462451	34	.082141	.462430	34	.076936	.380786
34	.083974	.546425	35	.083404	.545834	35	.081607	.462393
35	.081575	.628000	36	.081087	.626921	36	.082882	.545274
36	.075876	.703875	37	.075524	.702446	37	.080642	.625916
37	.067611	.771186	38	.067422	.769867	38	.075204	.701120
38	.057744	.829230	39	.057714	.827581	39	.067249	.768369
39	.047290	.876520	40	.047392	.874973	40	.057687	.826057
40	.037151	.913672	41	.037345	.912317	41	.047487	.873543
41	.028008	.941680	42	.028248	.940565	42	.037523	.911066
42	.020268	.961948	43	.020516	.961082	43	.028469	.939535
43	.014083	.976031	44	.014311	.975393	44	.020745	.960281
44	.009399	.985430	45	.009590	.984982	45	.014522	.974803
45	.006025	.991455	46	.006174	.991156	46	.009767	.984569
46	.003711	.995166	47	.003820	.994976	47	.006312	.990881
47	.002197	.997363	48	.002271	.997247	48	.003920	.994802
48	.001249	.998612	49	.001298	.998545	49	.002340	.997142
49	.000633	.999296	50	.000713	.999257	50	.001343	.998485
50	.000359	.999654	51	.000376	.999634	51	.000740	.999225
51	.000181	.999836	52	.000191	.999824	52	.000392	.999618
52	.000088	.999924	53	.000093	.999918	53	.000200	.999818
53	.000041	.999965	54	.000044	.999961	54	.000098	.999915
54	.000018	.999983	55	.000020	.999981	55	.000046	.999962
55	.000008	.999991	56	.000009	.999989	56	.000021	.999982
56	.000003	.999994	57	.000004	.999993	57	.000009	.999991
57	.000001	.999996	58	.000001	.999994	58	.000004	.999995
58	.000000	.999996	59	.000001	.999995	59	.000002	.999997
			60	.000000	.999995	60	.000001	.999997
						61	.000000	.999997

n=

100

## 50-100 BINOMIAL TABLES

p=.37			p=.38			p=.39		
x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
15	.000001	.000001	15	.000001	.000001	17	.000001	.000001
16	.000002	.000003	16	.000001	.000001	18	.000003	.000005
17	.000007	.000010	17	.000003	.000004	19	.000009	.000014
18	.000018	.000028	18	.000008	.000012	20	.000024	.000038
19	.000046	.000074	19	.000021	.000033	21	.000058	.000096
20	.000110	.000184	20	.000052	.000085	22	.000133	.000229
21	.000246	.000430	21	.000121	.000206	23	.000289	.000518
22	.000517	.000948	22	.000267	.000474	24	.000592	.001110
23	.001031	.001979	23	.000556	.001029			
24	.001944	.003923	24	.001093	.002122	25	.001151	.002261
25	.003470	.007393	25	.002036	.004158	27	.003720	.008104
26	.005879	.013271	26	.003599	.007757	28	.006200	.014304
27	.009463	.022734	27	.006046	.013802	29	.009842	.024146
28	.014489	.037223	28	.009661	.023463			
29	.021127	.058349	29	.014701	.038164	30	.014892	.039039
30	.029365	.087714	30	.021324	.059488	31	.021500	.060539
31	.038943	.126657	31	.029512	.088999	32	.029639	.090178
32	.049216	.175973	32	.039002	.128001	33	.039048	.129226
33	.059682	.235655	33	.049257	.177258	34	.049196	.178423
34	.069072	.304726	34	.059492	.236750	35	.059312	.237734
35	.076496	.381222	35	.068758	.305509	36	.068468	.306202
36	.081116	.462338	36	.076090	.381599	37	.075718	.381921
37	.082404	.544742	37	.080668	.462267	38	.080259	.462179
38	.080235	.624978	38	.081969	.544235	39	.081574	.543754
39	.074913	.699891	39	.079867	.624102	40	.079535	.623289
40	.067094	.766985	40	.074650	.698752	41	.074415	.697704
41	.057665	.824650	41	.066956	.765708	42	.066834	.764538
42	.047575	.872225	42	.057648	.823356	43	.057636	.822174
43	.037688	.909913	43	.047658	.871014	44	.047736	.869911
44	.028674	.936586	44	.037840	.908854	45	.037980	.907891
45	.020957	.959543	45	.028861	.937715	46	.029034	.936924
46	.014716	.974259	46	.021150	.958865	47	.021327	.958252
47	.009930	.984189	47	.014894	.973759	48	.015056	.973307
48	.006439	.990628	48	.010079	.985858	49	.010215	.983522
49	.004013	.994641	49	.006556	.990394	50	.006662	.990184
50	.002404	.997045	50	.004098	.994492	51	.004176	.994359
51	.001384	.998430	51	.002463	.996955	52	.002516	.996875
52	.000766	.999196	52	.001422	.998377	53	.001457	.998332
53	.000407	.999603	53	.000789	.999167	54	.000811	.999142
54	.000208	.999812	54	.000421	.999588	55	.000433	.999576
55	.000102	.999914	55	.000216	.999804	56	.000223	.999798
56	.000048	.999962	56	.000106	.999910	57	.000110	.999908
57	.000022	.999984	57	.000050	.999961	58	.000052	.999960
58	.000010	.999994	58	.000023	.999983	59	.000024	.999984
59	.000004	.999998	59	.000010	.999993	60	.000010	.999994
60	.000002	.999999	60	.000004	.999998	61	.000004	.999999
61	.000001	1.000000	61	.000002	.999999	62	.000001	1.000000
			62	.000001	1.000000			

## 50-100 BINOMIAL TABLES

n= 100

p=.40

p=.41

p=.42

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
18	.000001	.000002	18	.000001	.000001	19	.000001	.000001
19	.000004	.000006	19	.000002	.000002	20	.000002	.000002
20	.000011	.000016	20	.000004	.000007	21	.000005	.000008
21	.000027	.000043	21	.000012	.000019	22	.000013	.000021
22	.000064	.000107	22	.000030	.000048	23	.000033	.000054
23	.000145	.000252	23	.000070	.000118	24	.000076	.000130
24	.000310	.000561	24	.000156	.000274	25	.000167	.000297
25	.000627	.001189	25	.000330	.000604	26	.000349	.000646
26	.001207	.002395	26	.000661	.001265	27	.000693	.001339
27	.002205	.004600	27	.001259	.002524	28	.001308	.002647
28	.003832	.008432	28	.002281	.004806	29	.002352	.004999
29	.006343	.014775	29	.003936	.008741	30	.004031	.009029
30	.010008	.024783	30	.006473	.015214	31	.006591	.015620
31	.015065	.039848	31	.010157	.025371	32	.010291	.025911
32	.021656	.061504	32	.015219	.040590	33	.015356	.041267
33	.029750	.091253	33	.021793	.062384	34	.021912	.063179
34	.039083	.130336	34	.029443	.092227	35	.029922	.093101
35	.049133	.179469	35	.039107	.131334	36	.039122	.132222
36	.059141	.238610	36	.049068	.180402	37	.049002	.181225
37	.068199	.306810	37	.058981	.239383	38	.058830	.240054
38	.075378	.382187	38	.067951	.307334	39	.067724	.307779
39	.079888	.462075	39	.075068	.382403	40	.074789	.382567
40	.081219	.543294	40	.079553	.461956	41	.079254	.461822
41	.079239	.622533	41	.080902	.542858	42	.080621	.542443
42	.074208	.696741	42	.078976	.621834	43	.078746	.621189
43	.066729	.763470	43	.074026	.695860	44	.073871	.695059
44	.057630	.821100	44	.066641	.762500	45	.066569	.761628
45	.047811	.868911	45	.057030	.820130	46	.057636	.819264
46	.038111	.907022	46	.047883	.868013	47	.047953	.867217
47	.029191	.936213	47	.038230	.906243	48	.038341	.905558
48	.021488	.957700	48	.029334	.935558	49	.029464	.935022
49	.015202	.972903	49	.021633	.957211	50	.021763	.956785
50	.010338	.983240	50	.015334	.972544	51	.015450	.972236
51	.006757	.989997	51	.010447	.982991	52	.010543	.982778
52	.004245	.994241	52	.006841	.989832	53	.006914	.989693
53	.002563	.996804	53	.004305	.991137	54	.004358	.994050
54	.001487	.998291	54	.002604	.990741	55	.002639	.996690
55	.000829	.999120	55	.001513	.998254	56	.001536	.998225
56	.000444	.999564	56	.000815	.999099	57	.000858	.999084
57	.000229	.999793	57	.000453	.999553	58	.000461	.999545
58	.000113	.999906	58	.000234	.999786	59	.000238	.999782
59	.000054	.999960	59	.000116	.999902	60	.000118	.999900
60	.000024	.999984	60	.000055	.999957	61	.000056	.999956
61	.000011	.999995	61	.000025	.999982	62	.000025	.999981
62	.000004	.999999	62	.000011	.999993	63	.000011	.999992
63	.000002	1.000001	63	.000005	.999997	64	.000005	.999997
64	.000001	1.000002	64	.000002	.999999	65	.000002	.999999
			65	.000001	1.000000	66	.000001	.999999
			66	.000000	1.000000	67	.000000	1.000000

n=

100

## 50-100 BINOMIAL TABLES

p=.43

x	Individual Term	Cumulative (x or less)
20	.000001	.000001
21	.000002	.000003
22	.000006	.000009
23	.000015	.000024
24	.000036	.000059
25	.000082	.000141
26	.000178	.000319
27	.000367	.000686
28	.000723	.001409
29	.001354	.002762
30	.002417	.005179
31	.004117	.009296
32	.006697	.015993
33	.010410	.026402
34	.015475	.041878
35	.022014	.063892
36	.029985	.093877
37	.039127	.133004
38	.048936	.181940
39	.058688	.240629
40	.067517	.308146
41	.074538	.382683
42	.078990	.461673
43	.080376	.542049
44	.078549	.620598
45	.073741	.694339
46	.066513	.760852
47	.057650	.818502
48	.048020	.866522
49	.038444	.904966
50	.029581	.934548
51	.021878	.956426
52	.015552	.971978
53	.010626	.982604
54	.006977	.989581
55	.004402	.993983
56	.002668	.996651
57	.001554	.998205
58	.000859	.999074
59	.000467	.999541
60	.000241	.999782
61	.000119	.999901
62	.000056	.999957
63	.000026	.999983
64	.000011	.999994
65	.000005	.999999
66	.000002	1.000001
67	.000001	1.000001
68	.000000	1.000002

p=.44

x	Individual Term	Cumulative (x or less)
21	.000001	.000001
22	.000002	.000003
23	.000006	.000010
24	.000016	.000026
25	.000038	.000064
26	.000087	.000151
27	.000188	.000339
28	.000385	.000724
29	.000750	.001474
30	.001395	.002870
31	.002476	.005345
32	.004194	.009539
33	.006791	.016330
34	.010514	.026844
35	.015578	.042422
36	.022099	.064521
37	.030035	.094556
38	.039124	.133680
39	.048870	.182550
40	.058556	.241106
41	.067329	.308436
42	.074514	.382750
43	.081758	.461508
44	.080165	.541673
45	.078383	.620056
46	.073657	.693693
47	.066474	.760167
48	.057670	.817838
49	.049087	.865924
50	.038538	.904462
51	.029686	.934149
52	.021979	.956128
53	.015640	.971763
54	.010696	.982464
55	.007029	.989492
56	.004438	.993930
57	.002692	.996621
58	.001568	.993189
59	.000877	.999066
60	.000471	.999537
61	.000243	.999780
62	.000120	.999900
63	.000057	.999956
64	.000026	.999982
65	.000011	.999993
66	.000005	.999998
67	.000002	1.000000
68	.000001	1.000001
69	.000000	1.000001

p=.45

x	Individual Term	Cumulative (x or less)
22	.000001	.000001
23	.000003	.000004
24	.000007	.000011
25	.000017	.000028
26	.000041	.000069
27	.000092	.000162
28	.000197	.000359
29	.000401	.000760
30	.000776	.001535
31	.001433	.002968
32	.002528	.005497
33	.004263	.009760
34	.006873	.016632
35	.010604	.027236
36	.015664	.042900
37	.022169	.065069
38	.030071	.095140
39	.039113	.134254
40	.048803	.183057
41	.058434	.241490
42	.067161	.308651
43	.074118	.382769
44	.078559	.461329
45	.079988	.541316
46	.078249	.619565
47	.073557	.693122
48	.066452	.759573
49	.057698	.817272
50	.048152	.865424
51	.038625	.904049
52	.029779	.933827
53	.022066	.955893
54	.015714	.971607
55	.010753	.982360
56	.007070	.989429
57	.004465	.993894
58	.002708	.996603
59	.001577	.998180
60	.000882	.999062
61	.000473	.999535
62	.000244	.999779
63	.000120	.999899
64	.000057	.999956
65	.000026	.999981
66	.000011	.999993
67	.000005	.999997
68	.000002	.999999
69	.000001	1.000000
70	.000000	1.000000

## 50-100 BINOMIAL TABLES

n =

100

p = .46

p = .47

p = .48

x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)	x	Individual Term	Cumulative (x or less)
23	.000001	.000001	24	.000001	.000002	25	.000001	.000002
24	.000003	.000004	25	.000003	.000005	26	.000003	.000005
25	.000008	.000012	26	.000008	.000013	27	.000009	.000014
26	.000019	.000031	27	.000020	.000033	28	.000021	.000035
27	.000044	.000075	28	.000046	.000079	29	.000049	.000084
28	.000097	.000172	29	.000102	.000181	30	.000106	.000190
29	.000086	.000378	30	.000214	.000395	31	.000221	.000411
30	.000415	.000793	31	.000428	.000823	32	.000440	.000851
31	.000799	.001592	32	.000819	.001642	33	.000837	.001687
32	.001467	.003059	33	.001497	.003139	34	.001522	.003209
33	.002575	.005634	34	.002615	.005754	35	.002649	.005858
34	.004322	.009956	35	.004373	.010127	36	.004415	.010273
35	.006943	.016899	36	.007002	.017129	37	.007050	.017323
36	.010679	.027578	37	.010741	.027870	38	.015832	.043943
37	.015735	.043314	38	.015791	.043661	39	.022286	.066229
38	.022223	.065536	39	.022262	.065923	40	.030105	.096335
39	.030995	.095631	40	.030106	.096029	41	.030105	.096335
40	.039095	.134726	41	.039070	.135098	42	.039037	.135372
41	.048737	.183463	42	.048670	.183769	43	.048605	.183976
42	.058321	.241783	43	.058217	.241985	44	.058122	.242098
43	.067011	.308794	44	.066879	.308664	45	.066765	.308863
44	.075949	.382743	45	.073805	.382670	46	.073687	.382551
45	.078392	.461135	46	.078256	.460925	47	.078150	.460701
46	.079844	.540978	47	.079732	.540657	48	.079653	.540353
47	.078145	.619123	48	.078071	.618728	49	.078027	.618380
48	.073502	.692625	49	.073471	.692200	50	.073465	.691846
49	.066446	.759071	50	.066457	.758657	51	.066485	.758330
50	.057734	.816805	51	.057778	.816435	52	.057830	.816160
51	.048217	.865022	52	.048281	.864716	53	.048345	.864505
52	.038704	.903726	53	.038776	.903492	54	.038842	.903347
53	.029860	.933585	54	.029929	.933421	55	.029987	.933334
54	.022139	.955724	55	.022198	.955619	56	.022243	.955577
55	.015773	.971497	56	.015818	.971437	57	.015849	.971426
56	.010797	.982294	57	.010828	.982265	58	.010846	.982272
57	.007100	.989393	58	.007119	.989384	59	.007127	.989399
58	.004484	.993877	59	.004494	.993878	60	.004496	.993895
59	.002719	.996596	60	.002723	.996601	61	.002721	.996616
60	.001583	.998179	61	.001584	.998185	62	.001580	.998196
61	.000884	.999063	62	.000883	.999068	63	.000880	.999076
62	.000474	.999537	63	.000473	.999541	64	.000469	.999546
63	.000243	.999780	64	.000242	.999783	65	.000240	.999786
64	.000120	.999900	65	.000119	.999902	66	.000117	.999903
65	.000057	.999956	66	.000056	.999958	67	.000055	.999958
66	.000026	.999982	67	.000025	.999983	68	.000025	.999983
67	.000011	.999993	68	.000011	.999994	69	.000010	.999993
68	.000005	.999998	69	.000004	.999998	70	.000004	.999997
69	.000002	.999999	70	.000002	1.000000	71	.000002	.999999
70	.000001	1.000000	71	.000001	1.000001	72	.000001	1.000000
71	.000000	1.000000	72	.000000	1.000001			

n=

100

## 50-100 BINOMIAL TABLES

p=.49

x	Individual Term	Cumulative (x or less)
25	.000001	.000001
26	.000001	.000002
27	.000004	.000006
28	.000009	.000015
29	.000022	.000037
30	.000051	.000088
31	.000110	.000197
32	.000227	.000425
33	.000450	.000874
34	.000852	.001726
35	.001513	.003269
36	.002677	.005946
37	.004448	.010394
38	.007086	.017480
39	.010823	.028303
40	.015858	.044161
41	.022296	.066457
42	.030093	.096549
43	.038998	.135548
44	.048539	.184087
45	.058036	.242123
46	.066669	.308792
47	.073595	.382387
48	.078074	.460461
49	.079605	.540067
50	.078013	.618080
51	.073484	.691564
52	.066529	.758093
53	.057890	.815983
54	.048410	.864393
55	.038900	.903293
56	.030033	.933326
57	.022275	.955601
58	.015866	.971467
59	.010852	.982319
60	.007125	.989443
61	.004489	.993952
62	.002713	.996645
63	.001572	.998217
64	.000873	.999090
65	.000465	.999555
66	.000237	.999791
67	.000115	.999907
68	.000054	.999961
69	.000024	.999985
70	.000010	.999995
71	.000004	.999999
72	.000002	1.000001
73	.000001	1.000001
74	.000000	1.000001

p=.50

x	Individual Term	Cumulative (x or less)
25	.000001	.000001
26	.000002	.000002
27	.000004	.000006
28	.000008	.000016
29	.000010	.000016
30	.000023	.000039
31	.000052	.000091
32	.000113	.000204
33	.000232	.000457
34	.000458	.000895
35	.000864	.001758
36	.001560	.003318
37	.002698	.006016
38	.004473	.010489
39	.007111	.017600
40	.010844	.028444
41	.015869	.044513
42	.022292	.066605
43	.030069	.096674
44	.038953	.135626
45	.048474	.184101
46	.057958	.242059
47	.066590	.308649
48	.073527	.382176
49	.078029	.460205
50	.079589	.539794
51	.078029	.617823
52	.073527	.691350
53	.066590	.757940
54	.057958	.815899
55	.048474	.864373
56	.038953	.903326
57	.030069	.933394
58	.022292	.955686
59	.015869	.971556
60	.010844	.982399
61	.007111	.989510
62	.004473	.993983
63	.002698	.996681
64	.001560	.998241
65	.000864	.999105
66	.000458	.999563
67	.000232	.999795
68	.000113	.999908
69	.000052	.999960
70	.000023	.999983
71	.000010	.999993
72	.000004	.999997
73	.000002	.999999
74	.000001	.999999
75	.000000	1.000000















UNIVERSAL  
LIBRARY



142 026

UNIVERSAL  
LIBRARY